Acer
Aspire M3920
Service Guide

Downloaded from www.Manualslib.com manuals search engine

Revision History

Please refer to the table below for the updates made on this service guide.

Date	Chapter	Updates

Downloaded from www.Manualslib.com manuals search engine

Copyright

Copyright © 2010 by Acer Incorporated. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of Acer Incorporated.

Downloaded from www.Manualslib.com manuals search engine

Disclaimer

The information in this guide is subject to change without notice.

Acer Incorporated makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties of merchantability or fitness for any particular purpose. Any Acer Incorporated software described in this manual is sold or licensed "as is". Should the programs prove defective following their purchase, the buyer (and not Acer Incorporated, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any defect in the software.

Acer is a registered trademark of Acer Corporation.
Intel is a registered trademark of Intel Corporation.
Pentium Dual-Core, Celeron Dual-Core, Core 2 Duo, Core 2 Quad, Celeron, and combinations thereof, are trademarks of Intel Corporation.
Other brand and product names are trademarks and/or registered trademarks of their respective holders.

Downloaded from www.Manualslib.com manuals search engine

Conventions

The following conventions are used in this manual:

SCREEN MESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives additional information related to the current topic.
WARNING	Alerts you to any physical risk or system damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

Downloaded from www.Manualslib.com manuals search engine

Service Guide Coverage

This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.

FRU Information

Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

Downloaded from www.Manualslib.com manuals search engine

Table of Contents

Features and Specifications 1

System Features 1
Audio 2
I/O Ports and LED Indicators 2
Physical Specifications 3
Environmental Requirements 3
Power Management Function(ACPI support function) 3
System Tour 4
Front View 4
Rear View 5

System Utilities 7

CMOS Setup Utility 7
Entering CMOS setup 8
Navigating Through the Setup Utility 8
Setup Utility Menus 9

System Disassembly 21

Disassembly Requirements 21
Pre-disassembly Procedure 21
Removing the Side Panel 22
Removing the Heatsink Fan Assembly 23
Removing the Processor 24
Removing the VGA Card 26
Removing the Mode Card 27
Removing the TV Card 28
Removing the Memory Modules 28
Removing the Hard Disk Drive 29
Removing the USB Board 32
Removing the Front Bezel 35
Removing the Optical Drive 37
Removing the Removable HDD 39
Removing the Card Reader 43
Removing the Power Supply 46
Removing the Mainboard 48

System Troubleshooting 51

Hardware Diagnostic Procedure 51
System Check Procedures 52
Power System Check 52
System External Inspection 52
System Internal Inspection 52
Beep Codes 53
Checkpoints 54
Viewing BIOS checkpoints 54
Bootblock Initialization Code Checkpoints 54
Bootblock Recovery Code Checkpoints 56
BIOS Recovery 57

System Architecture 59

Block Diagram 59
Mainboard Layout 60
Jumper Setting 61

Downloaded from www.Manualslib.com manuals search engine

Table of Contents

Jumper Setting 61
Connecting Optional Devices 65
Connecting Case Components 67

FRU (Field Replaceable Unit) List 69

Aspire M3920 Exploded Diagram 70
Aspire M3920 FRU List 71

Downloaded from www.Manualslib.com manuals search engine

Chapter 1

Features and Specifications

This chapter lists the features and specifications of this computer.

NOTE The items listed in this section are for reference only. The exact configuration of your PC depends on the model purchased. Refer to the FRU list chapter on page 69 for a detailed list of models supported by each hardware component.

System Features

Component	Description
Operating system support	• Microsoft Windows 7 Home Premium (X64/X86) • Microsoft Windows 7 Home Basic (X64/X86) • Microsoft Windows 7 Starter X86 • Linpus Linux x-Window mode • Free Dos
Processor	• LGA-1155 socket • Supports the following Intel processors: – Core i7 2600 3.4G 8M 1333 95W D-2 – Core i5 2500 6M 1333 95W D-2 3.3G – Core i5 2400 6M 1333 95W D-2, quad core – Core i5 2300 2.8G 6M 1333 95W D-2 – Core i3-2120 3.3GHz 2C/4T 3MB – Core i3-2100 3.1GHz 2C/4T 3MB
Chipset	• PCH: Intel H67
Graphics	• Intel® HD Graphics Support (supported by CPU) – Dual independent display – Digital display (HDMI/DVI/DP/eDP) and VGA • DVMT 5.0 technology support • Enhanced 3D and Clear Video technology support
Memory	• Four DIMM sockets (two channels, two slots per channel) • Dual channel support – Channel A: slot 0, 1; Channel B: slot 2, 3 – Different colors for slot 0/2 and slot 1/3 • Supports 1GB, 2 GB and 4GB DDR III Unbuffered Non-ECC DIMM modules • Data rates supported: 800/1066/1333 MT/s • Maximum memory: 16 GB (using 4 GB modules)
Expansion options	• One PCIE x16 (PCIE V2.0) slot • Three PCIE x1 (PCIE V2.0) slots
Connectivity	• Wired LAN: GigaLAN • WLAN option: 802.11 b/g/n wireless network adapter
Hard disk drive (HDD)	• Supports up to three 3.5-inch 25.4 mm SATA HDDs • Capacity and models are listed in FRU list
Optical disc drive (ODD)	• Suports up to two 5.25-inch standard SATA ODDs • Supports DVD-ROM, DVD-SuperMulti, BD-combo, BD-rewrite • Models are listed in FRU list

Downloaded from www.Manualslib.com manuals search engine

Component	Description
Card reader (optional)	• 16-in-1 card reader (optional) • The following memory cards are supported: – Memory Stick (MS),Memory Stick Pro, Memory Stick Micro (M2) – xD-Picture Card (xD) – Secure Digital (SD), MultiMediaCard (MMC) – CompactFlash, Type I/II (CF, Type I and II) – Memory Stick PRO (MS PRO)
TV tuner (optional)	• Avermedia H753-A TV Tuner Card PCIe Hybrid ATSC card • Avermedia H753-D TV Tuner Card PCIe Hybrid DVB-T card • Avermedia H753-C TV Tuner Card PCIe Hybrid DMB-TH card
Power supply	• 300 W power supply unit (non-PFC, non-power factor correction), 100-127V/220-240V (4SATA1PATA) co-module • 300 W power supply unit (PFC), 100-127v/220v-240V (4SATA1PATA) co-module
Antivirus software	Norton Internet Security
System BIOS	• AMI Kernel with Acer skin • Supports ACPI revision 2.0 standard • Supports Plug and Play, STR(S3)/STD(S4), hardware monitor, Multi Boot, and DMI protocols
Power management	• ACPI 2.0 or 1.0b (Advanced Configuration Power Interface) standard • S0, S1, S2 and S5 sleep states support • On-board device power management support • On-board device configuration support

Audio

Item	Description
Audio codec	• Realtek ALC662 5.1 Channel High Definition Audio Codec
Audio jacks	• Front panel: Headphone and microphone jacks • Rear panel: Microphone, line-out, and line-in jacks

I/O Ports and LED Indicators

Component	Description
I/O ports	• Front panel – Four USB ports – One headphone jack – One microphone jack – 16-in-1 card reader • Rear panel – One PS/2 keyboard – One PS/2 mouse port – External display (VGA) port – One HDMI port – Eight USB ports – One Ethernet jack (RJ45) – Microphone, line-out, and line-in jacks
LED indicators	• Hard drive activity • Power status

Downloaded from www.Manualslib.com manuals search engine

Physical Specifications

Aspect	Description
Chassis dimension (W × D × H)	180 mm (W) x 401.8 mm (D) x 379 mm (H)
System weight	8.168 kg.
Mainboard form factor	MicroATX (µATX)
Mainboard dimensions (W × H)	244 mm x 244 mm

Environmental Requirements

Aspect	Description
Operating temperature	5 to 35 °C (41 to 95 °F)
Operating humidity	15% to 80% RH non-condensing

Power Management Function(ACPI support function)

Device Standby Mode

- Independent power management timer for hard disk drive devices (0-15 minutes,time step=1minute).
- Hard Disk drive goes into Standby mode(for ATA standard interface).
- Disable V-sync to control the VESA DPMS monitor.
- Resume method:device activated (keyboard for DOS, keyboard &mouse for Windows.
- Resume recovery time 3-5sec

Global Standby Mode

- Global power management timer (2-120minutes,time step=10minute).
- Hard disk drive goes into Standby mode(for ATA standard interface).
- Disable H-sync and V-sync signals to control the VESA DPMS monitor.
- Resume method: Resume to original state by pushing external switch Button,modem ring in,keyboard an mouse for APM mode.
- Resume recovery time :7-10sec

Suspend Mode

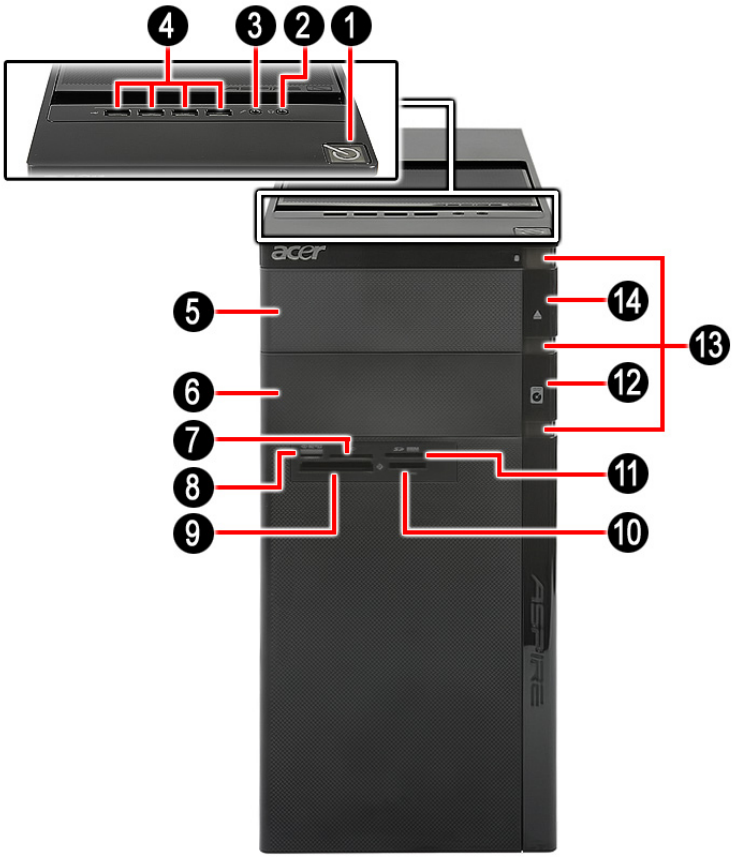
- Independent power management timer(2-120minutes,time step=10minute)or pushing extern switch button.
- CPU goes into SMM
- CPU asserts STPCLK# and goes into the Stop Grant State.
- LED on panel turns amber colour.
- Hard disk drive goes into SLEEP mode (for ATA standard interface).
- Disable H-sync and V-sync signals to control the VESA DPMS monitor.
- Ultra I/O and VGA chip go into power saving mode.
- Resume method: Resume to original state by pushing external switch Button,modem ring in,keyboard an mouse for APM mode
- Return to original state by pushing external switch button,modem ring in and USB keyboard for ACPI mode.

Downloaded from www.Manualslib.com manuals search engine

System Tour

The pictures and tables in this section illustrate the physical outlook of the computer.

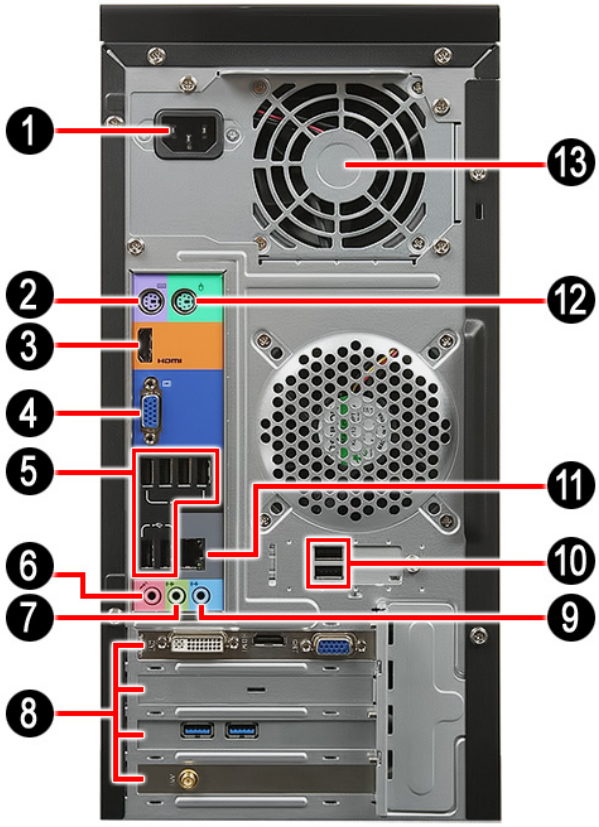
Front View



No.	Component
1	Power button
2	Headphone/Speaker-out/line-out jack
3	Microphone-in jack
4	USB 2.0 ports
5	Master optical drive bay door
6	Slave bay door (optical drive bay, removable HDD bay)
7	XD slot
8	Memory Stick / Micro Secure Digital
9	CF I/II (CompactFlash Type I/II) slot
10	Memory Stick / Memory Stick Pro.
11	Secure Digital / Multi media card
12	Master optical drive button
13	Cosmetic LED
14	Slave optical drive button

Downloaded from www.Manualslib.com manuals search engine

Rear View



No.	Component
1	Power connector
2	PS2 keyboard port
4	VGA port
3	HDMI port
5	USB 2.0 ports
6	Microphone
7	Line-out jack
8	Expansion slot (graphics card and TV tuner card and Mode card)
9	Line-in jack
10	USB 2.0 ports
11	RJ45 LAN connector
12	PS2 mouse port
13	System fan

Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

Chapter 2

System Utilities

CMOS Setup Utility

CMOS setup is a hardware configuration program built into the system ROM, called the complementary metal-oxide semiconductor (CMOS) Setup Utility. Since most systems are already properly configured and optimized, there is no need to run this utility. You will need to run this utility under the following conditions.

- When changing the system configuration settings
- When redefining the communication ports to prevent any conflicts
- When modifying the power management configuration
- When changing the password or making other changes to the security setup
- When a configuration error is detected by the system and you are prompted ("Run Setup" message) to make changes to the CMOS setup

NOTE: If you repeatedly receive Run Setup messages, the battery may be bad. In this case, the system cannot retain configuration values in CMOS. Ask a qualified technician for assistance.

CMOS setup loads the configuration values in a battery-backed nonvolatile memory called CMOS RAM. This memory area is not part of the system RAM which allows configuration data to be retained when power is turned off.

Before you run the *CMOS* Setup Utility, make sure that you have saved all open files. The system reboots immediately after you close the Setup.

NOTE: *CMOS* Setup Utility will be simply referred to as “BIOS”, "Setup", or "Setup utility" in this guide.

The screenshots used in this guide display default system values. These values may not be the same those found in your system.

Downloaded from www.Manualslib.com manuals search engine

Entering CMOS setup

1. Turn on the computer and the monitor.

   If the computer is already turned on, close all open applications, then restart the computer.

2. During POST, press **Delete**.

   If you fail to press **Delete** before POST is completed, you will need to restart the computer.

   The Setup Main menu will be displayed showing the Setup's menu bar. Use the left and right arrow keys to move between selections on the menu bar.

Navigating Through the Setup Utility

Use the following keys to move around the Setup utility.

- **Left** and **Right** arrow keys – Move between selections on the menu bar.
- **Up** and **Down** arrow keys – Move the cursor to the field you want.
- **+** and **-** keys – Select a value for the currently selected field (only if it is user-configurable). Press these keys repeatedly to display each possible entry, or the **Enter** key to choose from a pop-up menu.

NOTE: Grayed-out fields are not user-configurable.

- **Enter** key – Display a submenu screen.

NOTE: Availability of submenu screen is indicated by a (>).

- **Esc** – If you press this key:
  - On one of the primary menu screens, the Exit menu displays.
  - On a submenu screen, the previous screen displays.
  - When you are making selections from a pop-up menu, closes the pop-up without making a selection.
- **F1** – Display the General Help panel.
- **F7** – Press to load user default values.
- **F8** – Press to save user default values.
- **F9** – Press to load optimized default system values.
- **F10** – Save changes made the Setup and close the utility.

Downloaded from www.Manualslib.com manuals search engine

Setup Utility Menus

The Setup Main menu includes the following main setup categories.

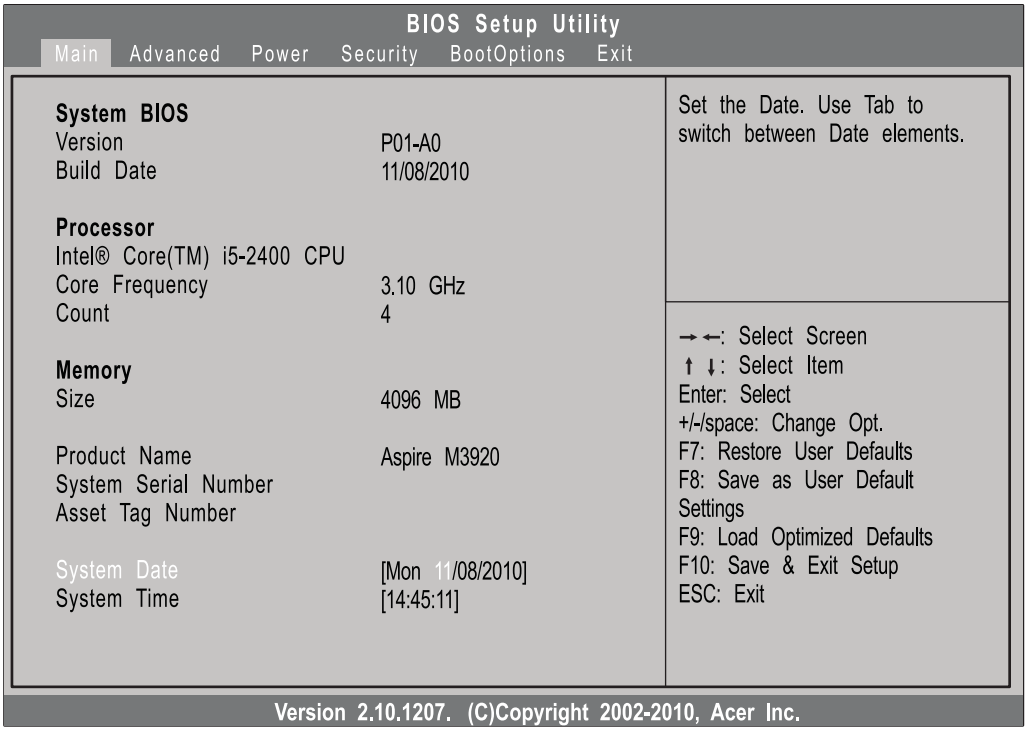
- Main
- Advanced
- Power
- Security
- Boot Options
- Exit

In the descriptive table following each of the menu screenshots, settings in **boldface** are the default and suggested settings.

Downloaded from www.Manualslib.com manuals search engine

Main

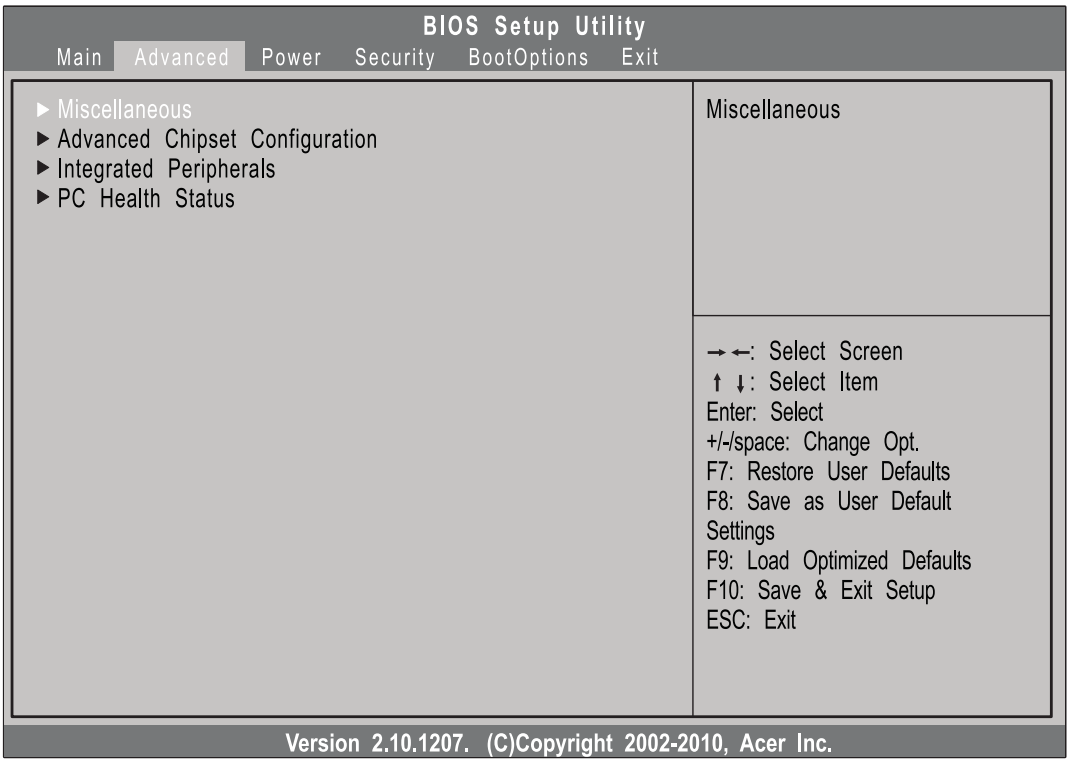
The Main menu displays basic information about the system.



Parameter	Description
System BIOS	
Version	Version number of the BIOS setup utility.
Build Date	Date when the BIOS setup utility was built.
Processor	Type of CPU installed on the system.
Core Frequency	Core speed of the CPU installed on the system.
Count	Physical CPU count
Memory	
Size	Total size of system memory installed on the system.
Product Name	Product name of the system.
System Serial Number	Serial number of the system.
Asset Tag Number	Asset tag number of this system.
System Date	Set the date following the weekday-month-day-year format.
System Time (hh:mm:ss)	Set the system time following the hour-minute-second format.

Downloaded from www.Manualslib.com manuals search engine

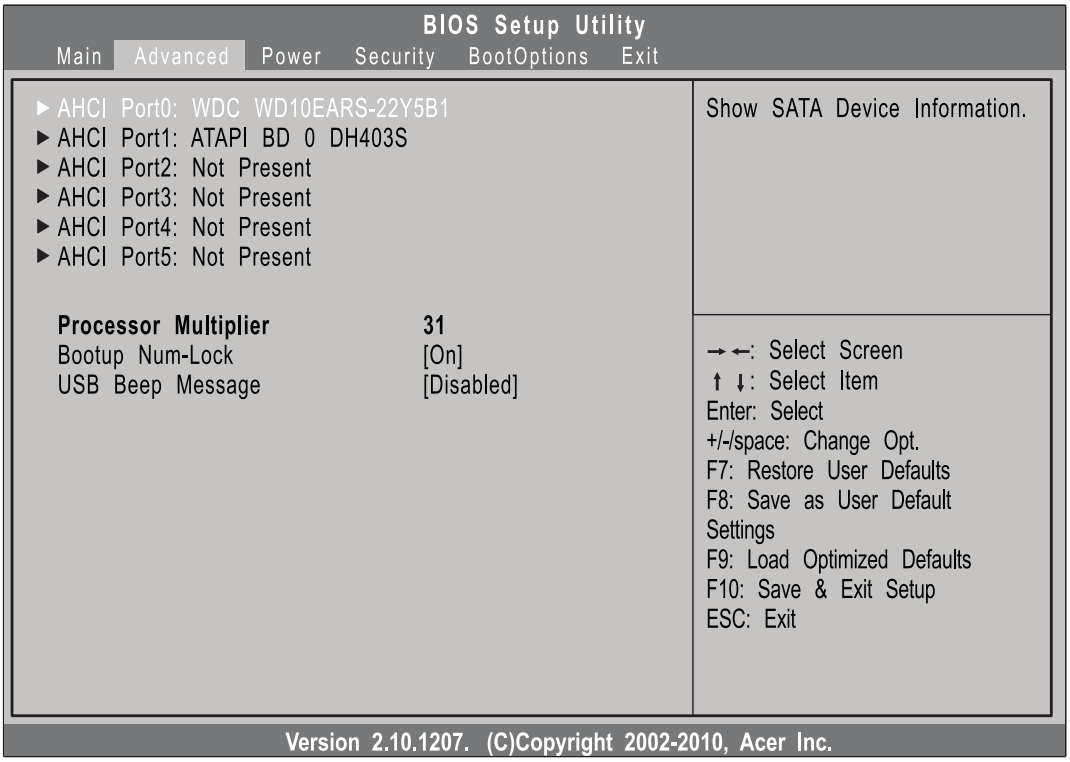
Advanced



Parameter	Description
Miscellaneous	Press **Enter** to access the Miscellaneous submenu
Advanced Chipset Configuration	Press **Enter** to access the Advanced Chipset Configuration submenu
Integrated Peripherals	Press **Enter** to access the Integrated Peripherals submenu
PC Health Status	Press **Enter** to access the PC Health Status submenu

Downloaded from www.Manualslib.com manuals search engine

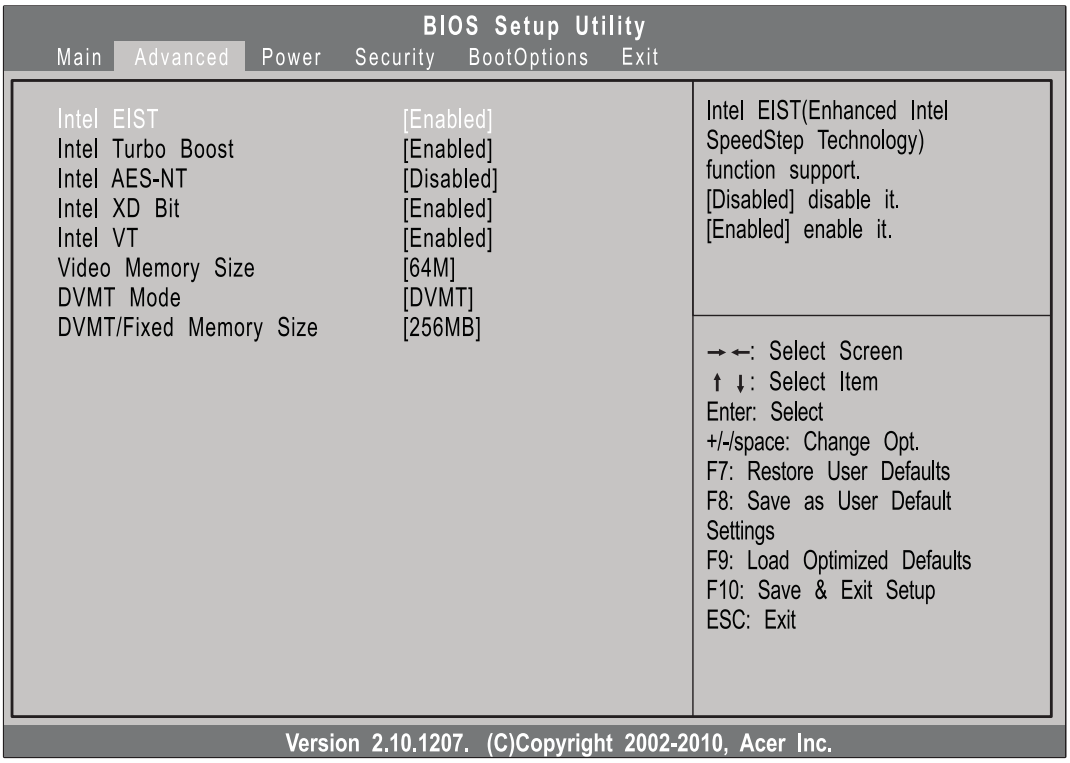
Miscellaneous


BIOS Setup Utility
Main Advanced Power Security BootOptions Exit
▶ AHCI Port0: WDC WD10EARS-22Y5B1
▶ AHCI Port1: ATAPI BD 0 DH403S
▶ AHCI Port2: Not Present
▶ AHCI Port3: Not Present
▶ AHCI Port4: Not Present
▶ AHCI Port5: Not Present
Processor Multiplier 31
Bootup Num-Lock [On]
USB Beep Message [Disabled]
Show SATA Device Information.
→←: Select Screen
↑ ↓: Select Item
Enter: Select
+/-/space: Change Opt.
F7: Restore User Defaults
F8: Save as User Default Settings
F9: Load Optimized Defaults
F10: Save & Exit Setup
ESC: Exit
Version 2.10.1207. (C)Copyright 2002-2010, Acer Inc.

Parameter	Description	Option
AHCI Port0/1/2/3/4/5	Displays the status of auto detection of the AHCI device.	
Processor Multiplier	This field is only visible if an engineering processor installed. It is only accessible when the EIST function is disabled.	
Bootup Num-lock	Selects power on state for Num Lock.	**On** Off
USB Beep Message	Enables or disables BIOS to display error beeps or messages during USB device enumeration.	Enabled **Disabled**

Downloaded from www.Manualslib.com manuals search engine

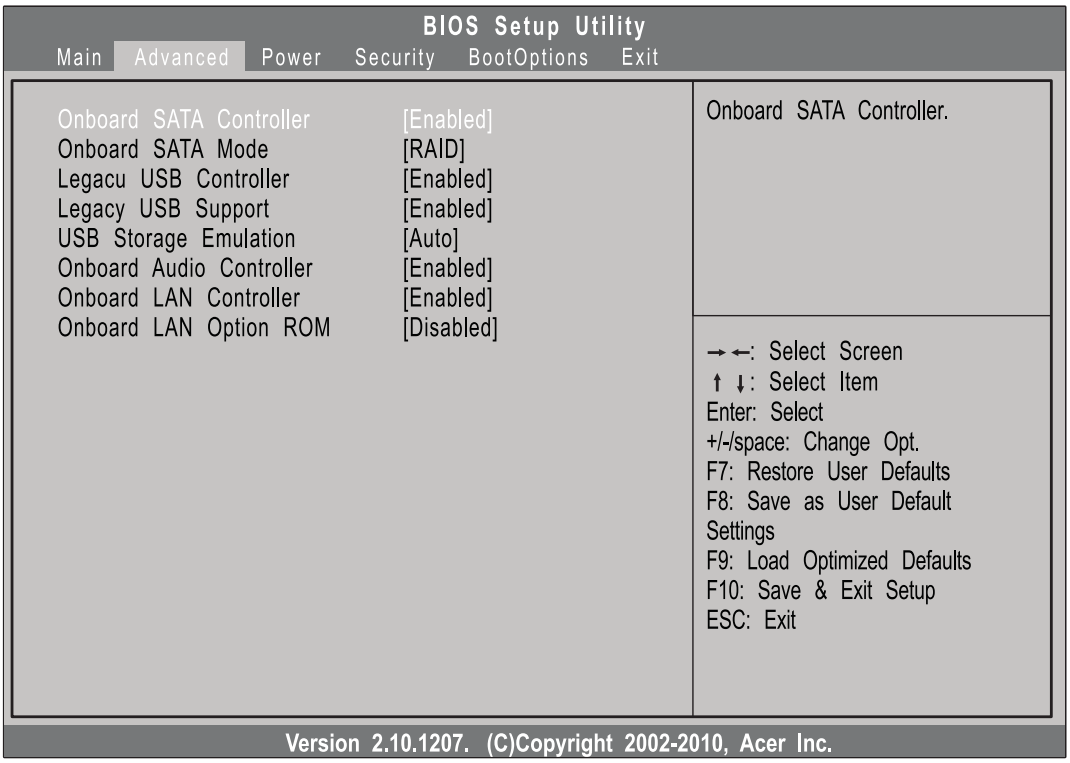
Advanced Chipset Configuration



Parameter	Description	Option
Intel EIST	When enabled, this feature allows the OS to reduce power consumption. When disabled, the system operates at maximum CPU speed.	**Enabled** Disabled
Intel Turbo Boost	Enables or disables Intel Turbo Boost Technology.	**Enabled** Disabled
Intel AES-NI	Enables or disables Advanced Encryption Standard New Instructions (AES-NI).	**Enabled** Disabled
Intel XD Bit	When enabled, the processor disables code execution when a worm attempts to insert a code in the buffer preventing damage and worm propagation. When disabled, the processor forces the Execute Disable (XD) Bit feature flag to always return to 0.	**Enabled** Disabled
Intel VT	Enables or disables the Virtualization Technology (VT) availability. If enabled, a virtual machine manager (VMM) can utilize the additional hardware virtualization capabilities provided by this technology. **Note:** A full reset is required to change the setting.	**Enabled** Disabled
Video Memory Size	Select the amout of system memory used by the Intel graphics device.	**32MB** 64 MB 128 MB Disabled
DVMT Mode	Select a video memory mode.	**DVMT** Fixed
DVMT/Fixed Memory Size	Select a video memory size.	**256MB** 128 MB Maximum

Downloaded from www.Manualslib.com manuals search engine

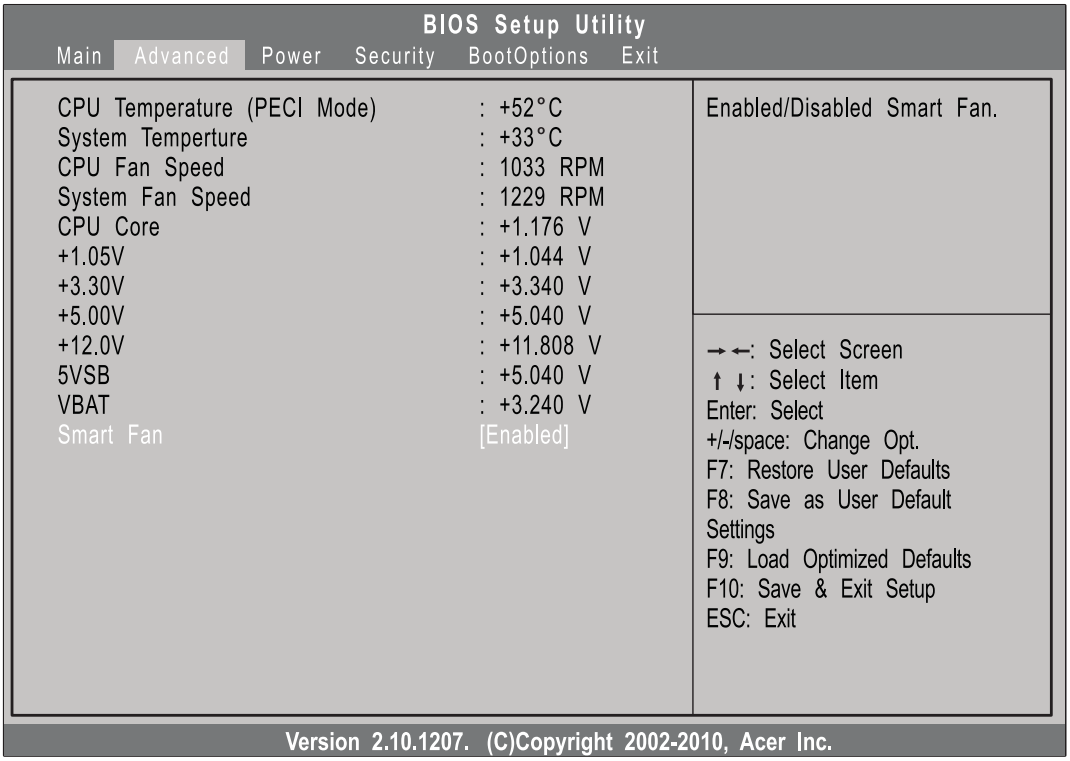
Integrated Peripherals


BIOS Setup Utility
Main Advanced Power Security BootOptions Exit
Onboard SATA Controller [Enabled]
Onboard SATA Mode [RAID]
Legacu USB Controller [Enabled]
Legacy USB Support [Enabled]
USB Storage Emulation [Auto]
Onboard Audio Controller [Enabled]
Onboard LAN Controller [Enabled]
Onboard LAN Option ROM [Disabled]
Onboard SATA Controller.
→←: Select Screen
↑ ↓: Select Item
Enter: Select
+/-/space: Change Opt.
F7: Restore User Defaults
F8: Save as User Default Settings
F9: Load Optimized Defaults
F10: Save & Exit Setup
ESC: Exit
Version 2.10.1207. (C)Copyright 2002-2010, Acer Inc.

Parameter	Description	Option
Onboard SATA Controller	Enables or disables the onboard SATA controller.	**Enabled** Disabled
Onboard SATA Mode	Select an operating mode for the onboard SATA.	**AHCI** Native IDE
Legacy USB Controller	Enables or disables support for legacy USB devices	**Enabled** Disabled
Legacy USB Support	Enables or disables support for legacy USB devices.	**Enabled** Disabled
USB Storage Emulation	Select emulation type for a USB mass storage device.	**Auto** Floppy Hard Disk
Onboard Audio Controller	Enables or disables the onboard audio controller.	**Enabled** Disabled
Onboard LAN Controller	Enables or disables the onboard LAN controller.	**Enabled** Disabled
Onboard LAN Option ROM	Enables or disables the load of embedded option ROM for onboard network controller.	Enabled **Disabled**

Downloaded from www.Manualslib.com manuals search engine

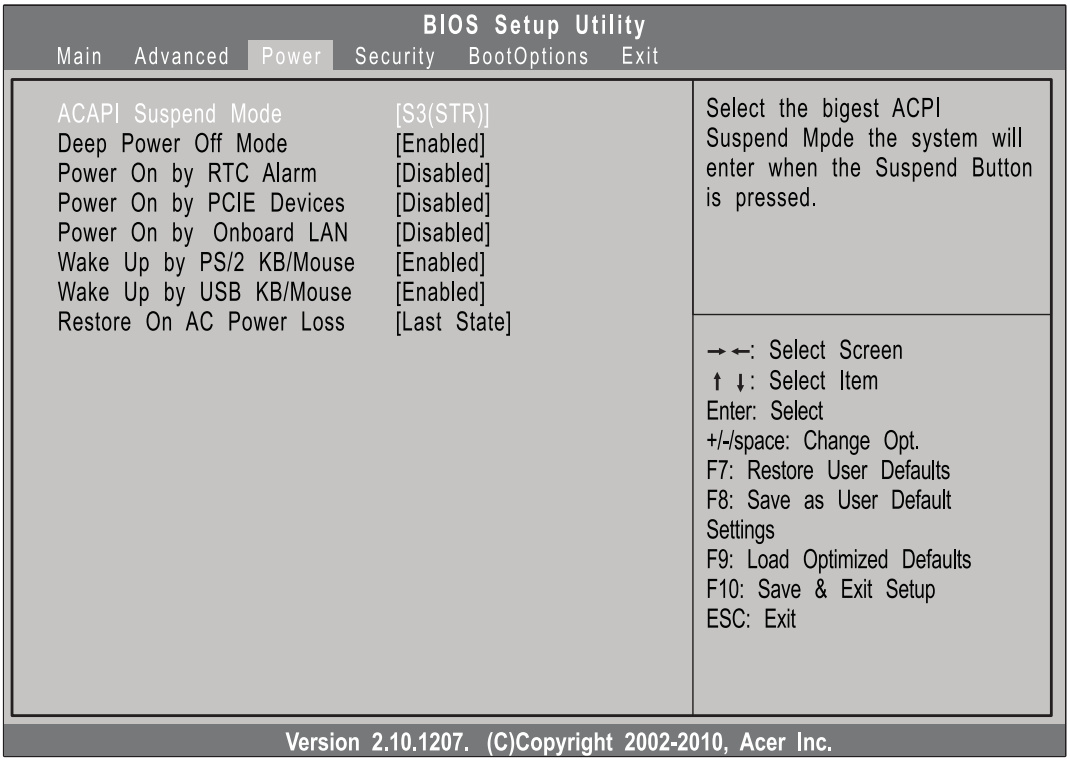
PC Health Status


BIOS Setup Utility
Main Advanced Power Security BootOptions Exit
CPU Temperature (PECI Mode) : +52°C
System Temperture : +33°C
CPU Fan Speed : 1033 RPM
System Fan Speed : 1229 RPM
CPU Core : +1.176 V
+1.05V : +1.044 V
+3.30V : +3.340 V
+5.00V : +5.040 V
+12.0V : +11.808 V
5VSB : +5.040 V
VBAT : +3.240 V
Smart Fan [Enabled]
Enabled/Disabled Smart Fan.
→←: Select Screen
↑ ↓: Select Item
Enter: Select
+/-/space: Change Opt.
F7: Restore User Defaults
F8: Save as User Default Settings
F9: Load Optimized Defaults
F10: Save & Exit Setup
ESC: Exit
Version 2.10.1207. (C)Copyright 2002-2010, Acer Inc.

Parameter	Description	Option
CPU Temperature (PECI Mode)	Set the shutdown temperature of the CPU.	0°C **Disabled**
System Temperature	Set the shutdown temperature of the system.	0°C **Disabled**
CPU Fan Speed System Fan Speed CPU Core +1.05V +3.30V +5.00V +12.0V 5VSB VBAT	These items let you monitor the parameters for critical voltages and fan speeds.	
Smart Fan	Enables or disables the smart system fan control function.	**Enabled** Disabled

Downloaded from www.Manualslib.com manuals search engine

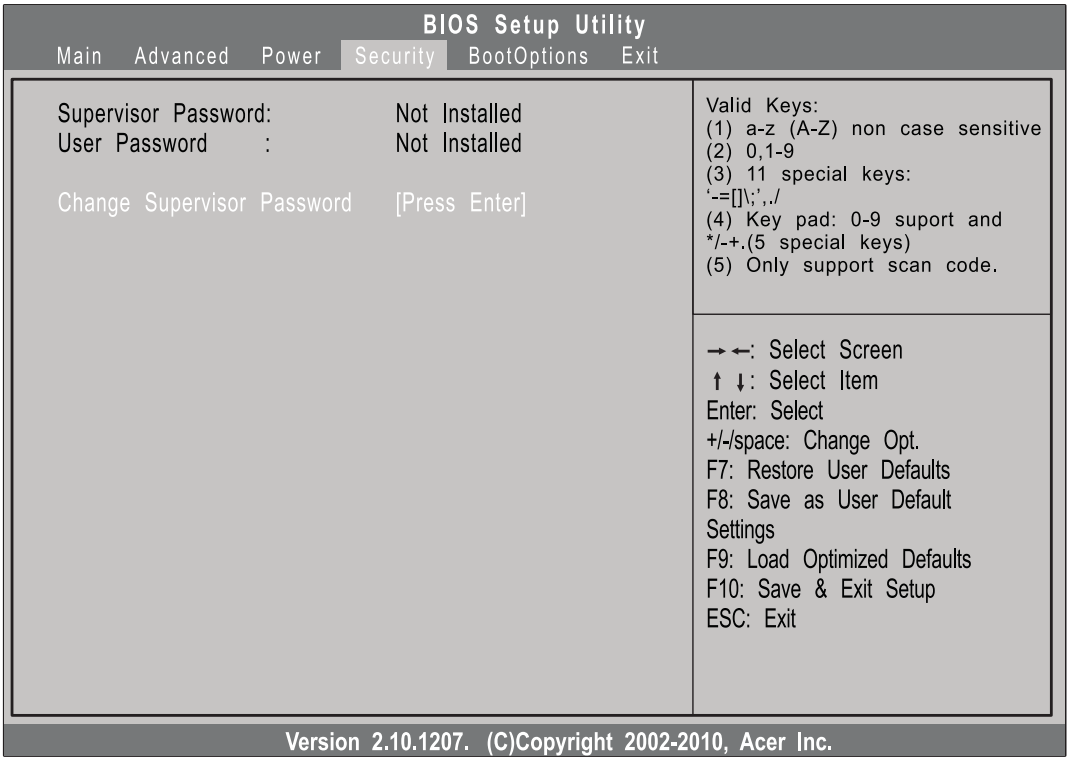
Power


BIOS Setup Utility
Main Advanced Power Security BootOptions Exit
ACAPI Suspend Mode [S3(STR)]
Deep Power Off Mode [Enabled]
Power On by RTC Alarm [Disabled]
Power On by PCIE Devices [Disabled]
Power On by Onboard LAN [Disabled]
Wake Up by PS/2 KB/Mouse [Enabled]
Wake Up by USB KB/Mouse [Enabled]
Restore On AC Power Loss [Last State]
Select the bigest ACPI Suspend Mpde the system will enter when the Suspend Button is pressed.
→←: Select Screen
↑ ↓: Select Item
Enter: Select
+/-/space: Change Opt.
F7: Restore User Defaults
F8: Save as User Default Settings
F9: Load Optimized Defaults
F10: Save & Exit Setup
ESC: Exit
Version 2.10.1207. (C)Copyright 2002-2010, Acer Inc.

Parameter	Description	Option
ACPI Suspend Mode	Select an ACPI state.	**S3 (STR)** S1 (POS)
Deep Power Off Mode	Enables or disables the deep power off mode.	**Enabled** Disabled
Power On by RTC Alarm	Enables or disables real time clock (RTC) to generate a wake event.	Enabled **Disabled**
Power On by PCIE Devices	Enables or disables to wake up the system from a power saving mode through an event on a PCI Express device.	Enabled **Disabled**
Power On by Onboard LAN	Enables or disables an onboard LAN controller to generate a wake event.	Enabled **Disabled**
Wake Up by PS/2 KB/Mouse	Enables or disables to wake up the system from a power saving mode using a PS2 keyboard or mouse.	**Enabled** Disabled
Wake Up by USB KB/Mouse	Enables or disables to wake up the system from a power saving mode using a USB keyboard or mouse.	**Enabled** Disabled
Restore On AC Power Loss	Enables or disables the system to reboot after a power failure or interrupt occurs.	Power Off Power On **Last State**

Downloaded from www.Manualslib.com manuals search engine

Security


BIOS Setup Utility
Main Advanced Power Security BootOptions Exit
Supervisor Password: Not Installed
User Password : Not Installed
Change Supervisor Password [Press Enter]
Valid Keys:
(1) a-z (A-Z) non case sensitive
(2) 0,1-9
(3) 11 special keys:
'-=[]\;',./
(4) Key pad: 0-9 suport and
*/-+.(5 special keys)
(5) Only support scan code.
→←: Select Screen
↑ ↓: Select Item
Enter: Select
+/-/space: Change Opt.
F7: Restore User Defaults
F8: Save as User Default Settings
F9: Load Optimized Defaults
F10: Save & Exit Setup
ESC: Exit
Version 2.10.1207. (C)Copyright 2002-2010, Acer Inc.

Parameter	Description
Supervisor Password	Indicates the status of the supervisor password.
User Password	Indicates the status of the user password.
Change Supervisor Password	Supervisor password prevents unauthorized access to the BIOS Setup Utility. Press **Enter** to change the Supervisor password.
Change User Password	Press **Enter** to change the User password.

Setting a system password

1. Use the up/down arrow keys to select a password parameter (Change Supervisor Password or Change User Password) menu then press **Enter**.

   A password box will appear.
2. Type a password then press **Enter**.

   The password may consist up to six alphanumeric characters (A-Z, a-z, 0-9)
3. Retype the password to verify the first entry then press **Enter** again.
4. Press **F10**.
5. Select **Yes** to save the new password and close the Setup Utility.

Changing the system password

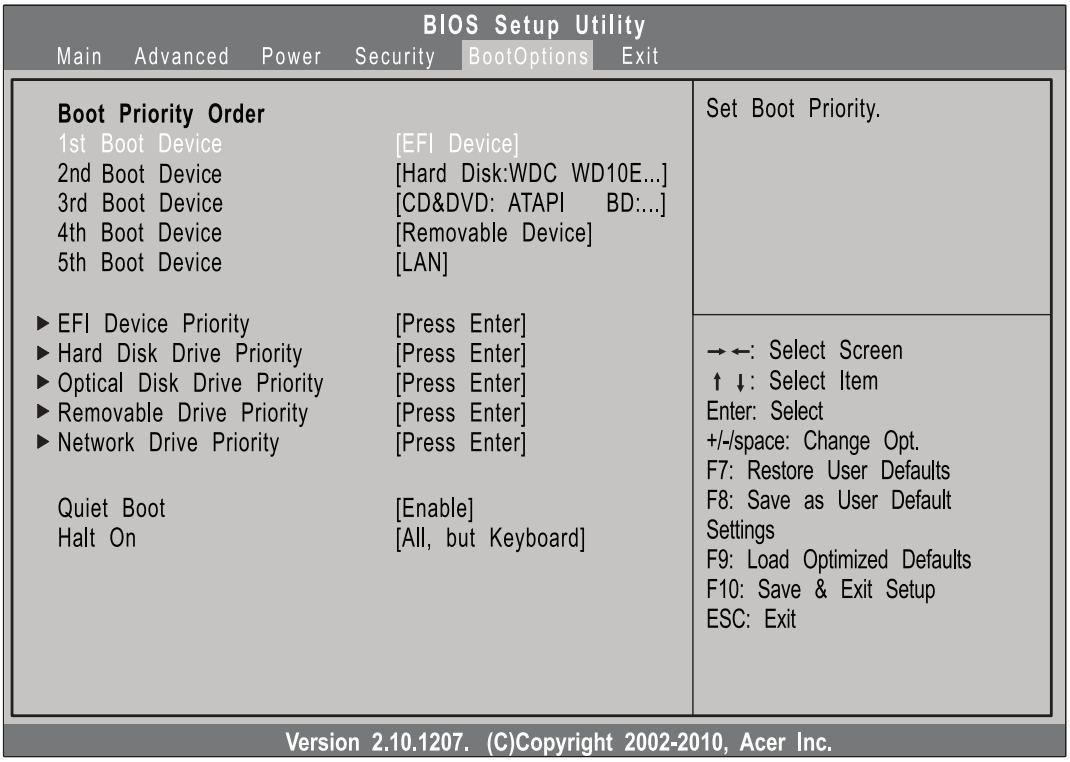
1. Use the up/down arrow keys to select password parameter (Change Supervisor Password or Change User Password) menu then press **Enter**.
2. Type the original password then press **Enter**.
3. Type a new password then press **Enter**.
4. Retype the password to verify the first entry then press **Enter** again.
5. Press **F10**.
6. Select **Yes** to save the new password and close the Setup Utility.

Removing a system password

Downloaded from www.Manualslib.com manuals search engine

1. Use the up/down arrow keys to select password parameter (Change Supervisor Password or Change User Password) menu then press **Enter**.
2. Enter the current password then press **Enter**.
3. Press **Enter** twice without entering anything in the password fields.

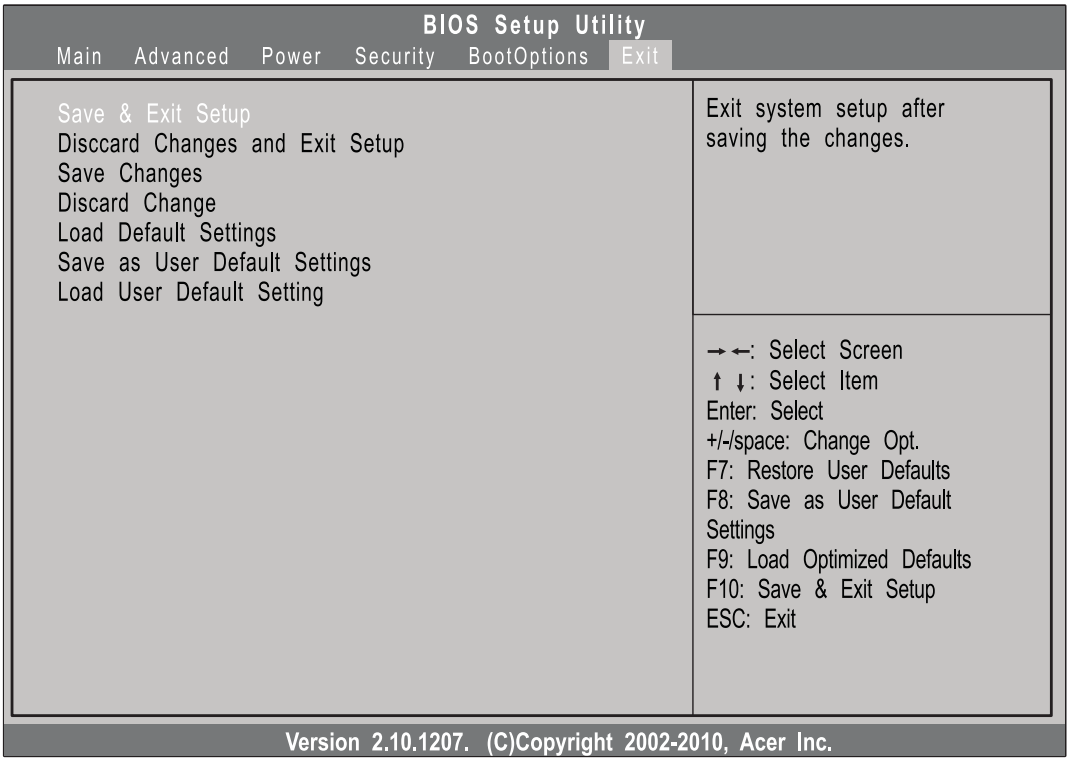
Boot Options


BIOS Setup Utility
Main Advanced Power Security BootOptions Exit
Boot Priority Order
1st Boot Device [EFI Device]
2nd Boot Device [Hard Disk:WDC WD10E...]
3rd Boot Device [CD&DVD: ATAPI BD:...]
4th Boot Device [Removable Device]
5th Boot Device [LAN]
▶ EFI Device Priority [Press Enter]
▶ Hard Disk Drive Priority [Press Enter]
▶ Optical Disk Drive Priority [Press Enter]
▶ Removable Drive Priority [Press Enter]
▶ Network Drive Priority [Press Enter]
Quiet Boot [Enable]
Halt On [All, but Keyboard]
Set Boot Priority.
→←: Select Screen
↑ ↓: Select Item
Enter: Select
+/-/space: Change Opt.
F7: Restore User Defaults
F8: Save as User Default Settings
F9: Load Optimized Defaults
F10: Save & Exit Setup
ESC: Exit
Version 2.10.1207. (C)Copyright 2002-2010, Acer Inc.

Parameter	Description	Option
1st/2nd/3rd/4th/5th Boot Device	Specifies the boot order from the available devices.	Hard Disk CD/DVD Removable Device LAN
EFI Device Priority	Press **Enter** to access the EFI Device Priority submenu and specify the boot device priority sequence from available EFI devices.	
Hard Disk Drive Priority	Press **Enter** to access the Hard Disk Drive Priority submenu and specify the boot device priority sequence from available hard drives.	
Optical Disk Drive Priority	Press **Enter** to access the Optical Disk Drive Priority submenu and specify the boot device priority sequence from available CD/DVD drives.	
Removable Device Priority	Press **Enter** to access the Removable Device Priority submenu and specify the boot device priority sequence from available removable drives.	
Network Device Priority	Press **Enter** to access the Network Device Priority submenu and specify the boot sequence from available network devices.	
Quiet Boot	When enabled, the BIOS splash screen displays during startup. When disabled, the diagnostic screen displays during startup.	**Enabled** Disabled
Halt On	Determines whether the system will stop for an error during the POST.	**All, but keyboard** No Errors All Errors

Downloaded from www.Manualslib.com manuals search engine

Exit


BIOS Setup Utility
Main Advanced Power Security BootOptions Exit
Save & Exit Setup
Disccard Changes and Exit Setup
Save Changes
Discard Change
Load Default Settings
Save as User Default Settings
Load User Default Setting
Exit system setup after saving the changes.
→←: Select Screen
↑ ↓: Select Item
Enter: Select
+/-/space: Change Opt.
F7: Restore User Defaults
F8: Save as User Default Settings
F9: Load Optimized Defaults
F10: Save & Exit Setup
ESC: Exit
Version 2.10.1207. (C)Copyright 2002-2010, Acer Inc.

Parameter	Description
Save & Exit Setup	When you have completed the system configuration changes, select this option to leave the BIOS Setup Utility and reboot the computer, so the new system configuration parameters can take effect. Select **Save & Exit Setup** from the Exit menu and press **Enter**.
Discard Changes and Exit Setup	Select this option to quit the BIOS Setup Utility without making any permanent changes to the system configuration, and reboot the computer. Select **Discard Changes and Exit Setup** from the Exit menu and press **Enter**.
Save Changes	Select this option and press **Enter** to save all the changes and return to the BIOS Setup Utility.
Discard Change	Select this option and press **Enter** to discard all the changes and return to the BIOS Setup Utility.
Load Default Settings	To set this feature, select **Load Default Settings** from the Exit menu and press **Enter**. Then, select **OK** to allow the BIOS to automatically load optimal defaults to the BIOS settings. The Optimal settings are designed for maximum system performance, but may not work best for all computer applications.
Save as User Default Settings	Select this option and press **Enter** to save changes that you have made as user defaults.
Load User Default Settings	Select this option and press **Enter** to restore user defaults.

Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

System Disassembly

This chapter contains step-by-step procedures on how to disassemble the desktop computer for maintenance and troubleshooting.

Disassembly Requirements

To disassemble the computer, you need the following tools:

- Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Flat-blade screwdriver
- Philips screwdriver
- Hex screwdriver
- Plastic flat-blade screwdriver
- Plastic tweezers

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components.

Pre-disassembly Procedure

Before proceeding with the disassembly procedure, perform the steps listed below:

1. Turn off the system and all the peripherals connected to it.
2. Unplug the power cord from the power outlets.
3. Unplug the power cord from the system.
4. Unplug all peripheral cables from the system.
5. Place the system unit on a flat, stable surface.

Downloaded from www.Manualslib.com manuals search engine

Removing the Side Panel

1. Remove the two screws located on the rear edge of the side panel.

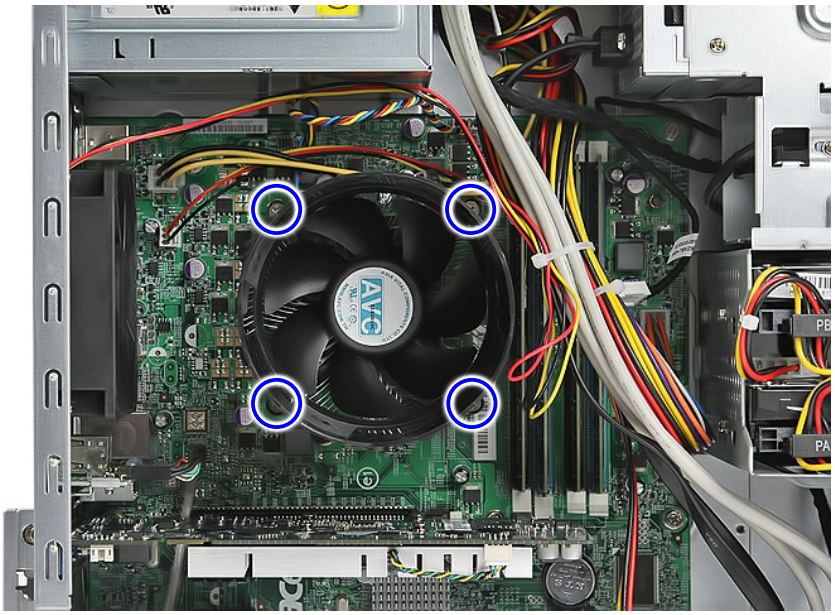
2. Slide the side panel toward the back of the chassis until the tabs on the cover disengage with the slots on the chassis, then lift the side panel away from the server and put it aside for reinstallation later.

Downloaded from www.Manualslib.com manuals search engine

Removing the Heatsink Fan Assembly

WARNING: The heatsink becomes very hot when the system is on. NEVER touch the heatsink with any metal or with your hands.

1. Use a screwdriver to loosen the four screws on the heatsink.



Note: Plastic parts containing bromide have been highlighted with the yellow circle as the above image shows. Please remove these parts and follow local regulations for disposal.

2. Disconnect the heatsink fan cable from the mainboard.

3. Remove the heatsink fan assembly from the chassis then lay it down in an upright position—with the thermal patch facing upward. Do not let the thermal patch on the heatsink fan assembly touch the work surface.
4. Use an alcohol pad to wipe off the thermal grease from both the heatsink and the processor.

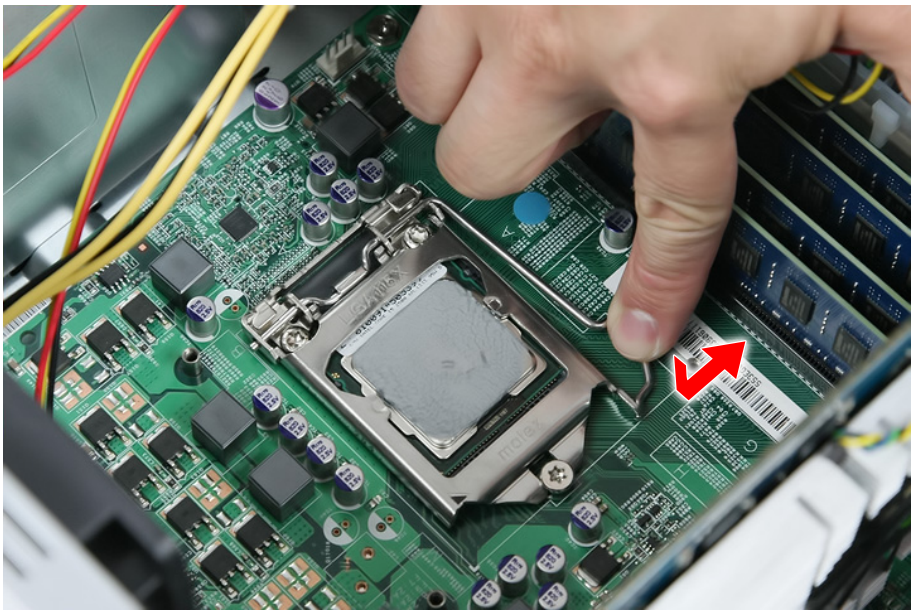
Downloaded from www.Manualslib.com manuals search engine

Removing the Processor

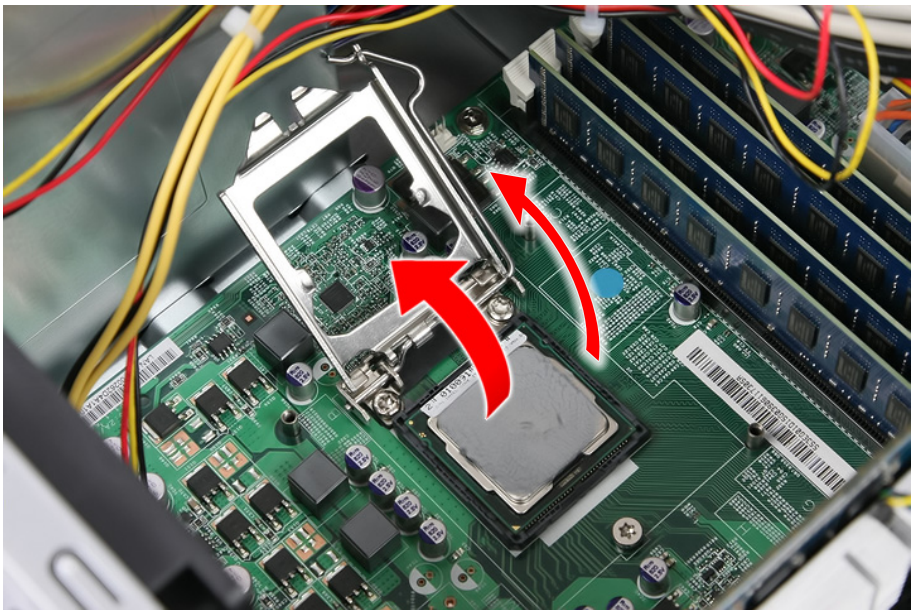
IMPORTANT: Before removing a processor from the mainboard, make sure to create a backup file of all important data.

WARNING: The processor becomes very hot when the system is on. Allow it to cool off first before handling.

1. Release the load lever.

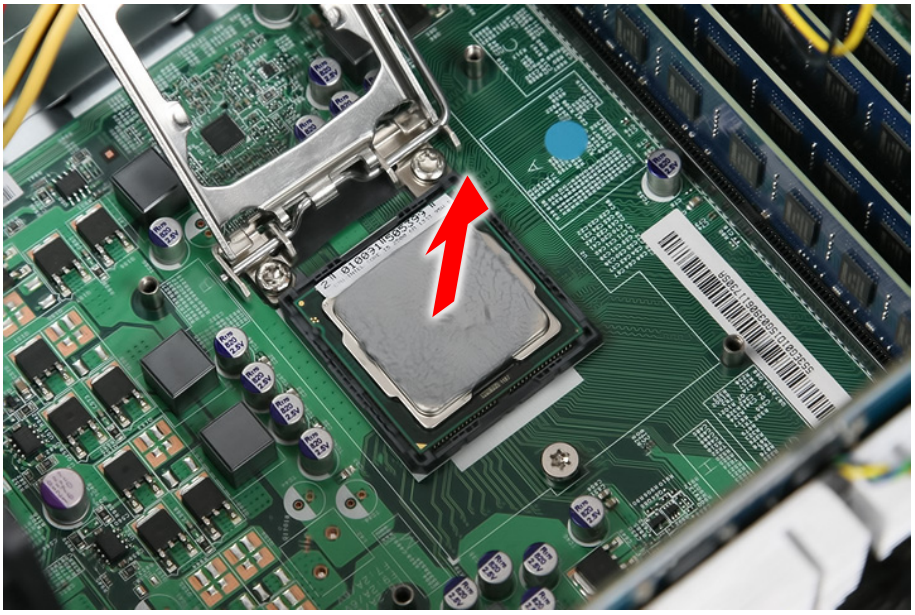


2. Pull the load lever to the fully open, upright position and lift the load plate.

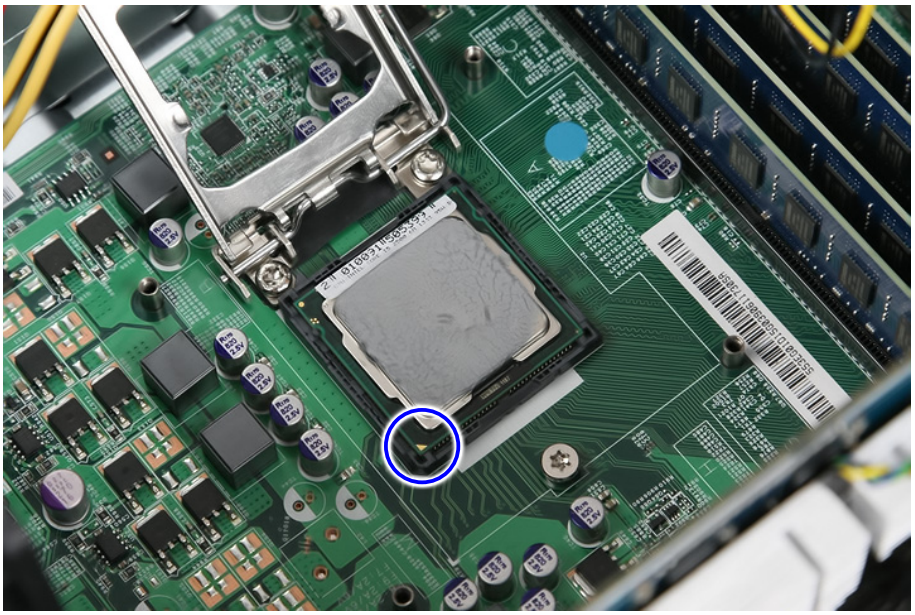


Downloaded from www.Manualslib.com manuals search engine

3. Pull out the processor from the socket.



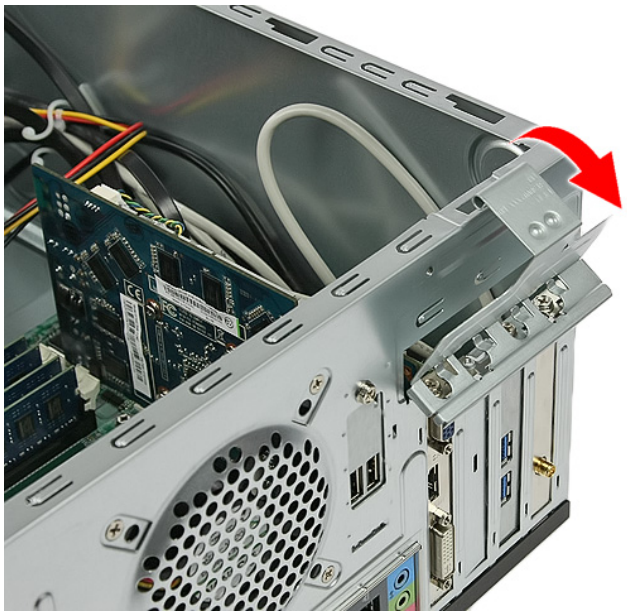
IMPORTANT: If you are going to install a new processor, note the arrow on the corner to make sure the processor is properly oriented over the socket.



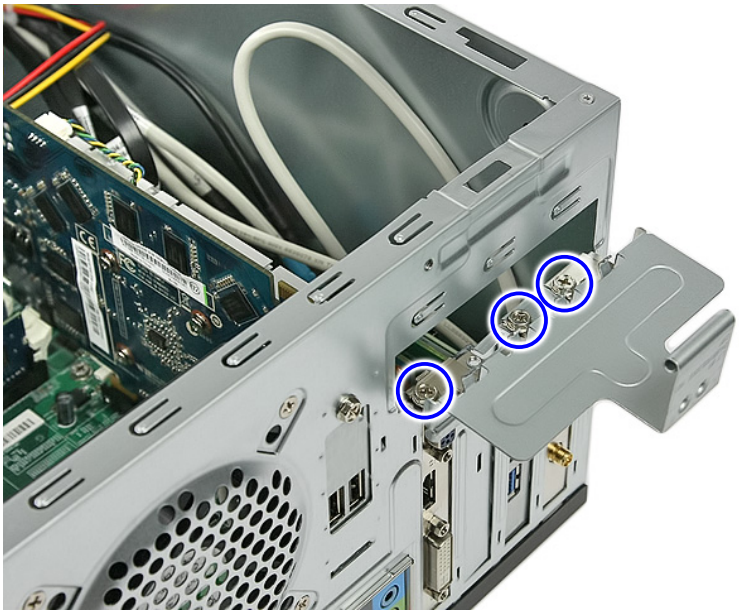
Downloaded from www.Manualslib.com manuals search engine

Removing the VGA Card

1. Release the PCI latch by pulling the tab in the direction shown.

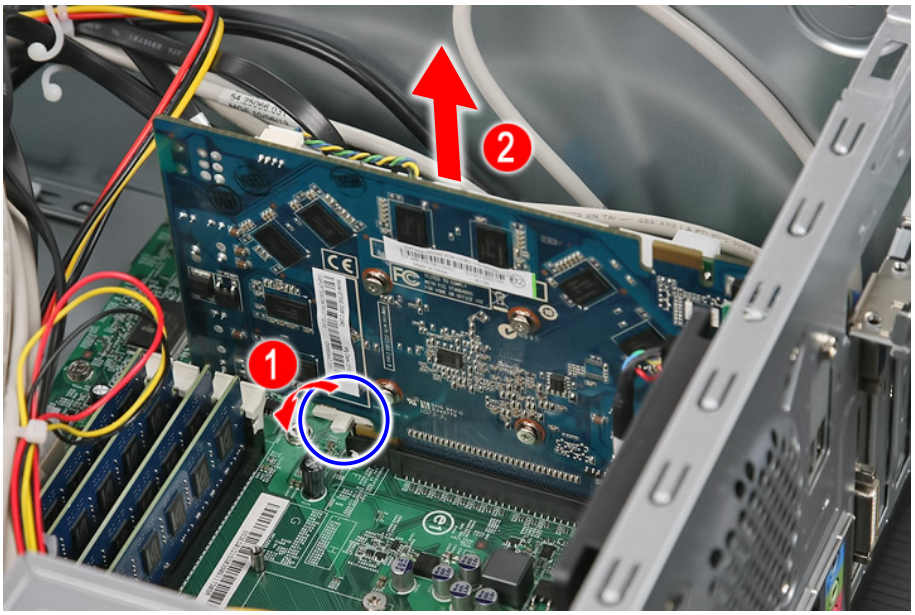


2. Remove the three screws that secure the cards to the chassis.



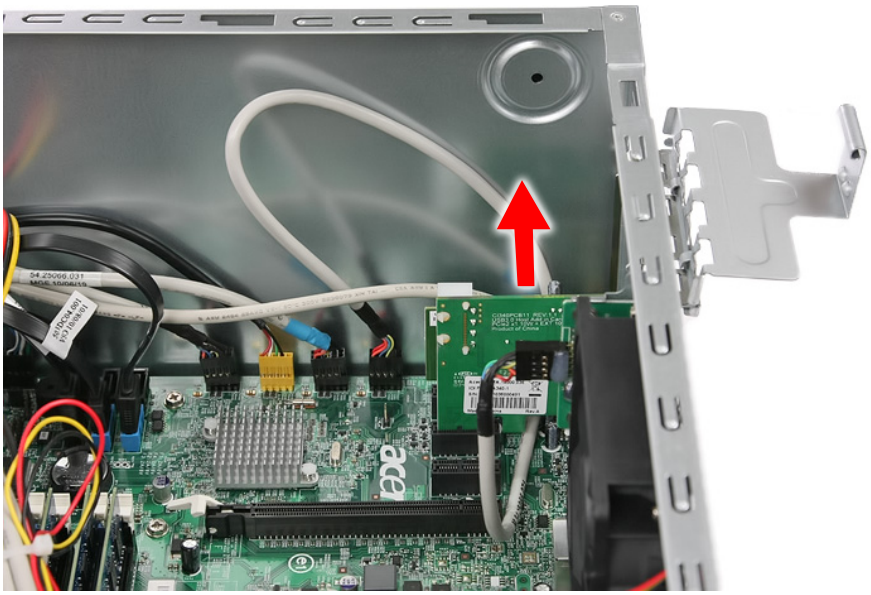
Downloaded from www.Manualslib.com manuals search engine

3. Use a finger to press the release clip and gently pull up the card to remove it from the mainboard.



Removing the Mode Card

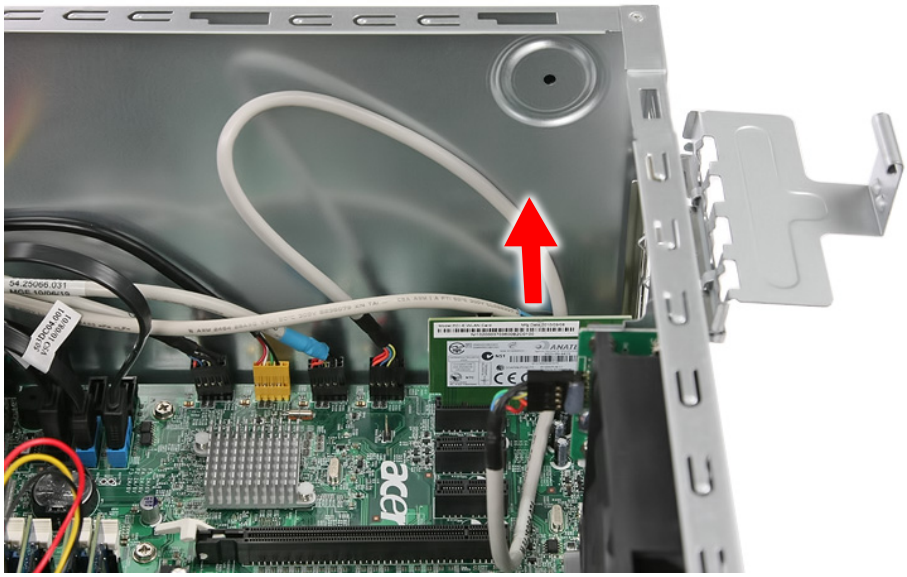
1. Gently pull up the Mode card to remove it from the mainboard.



Downloaded from www.Manualslib.com manuals search engine

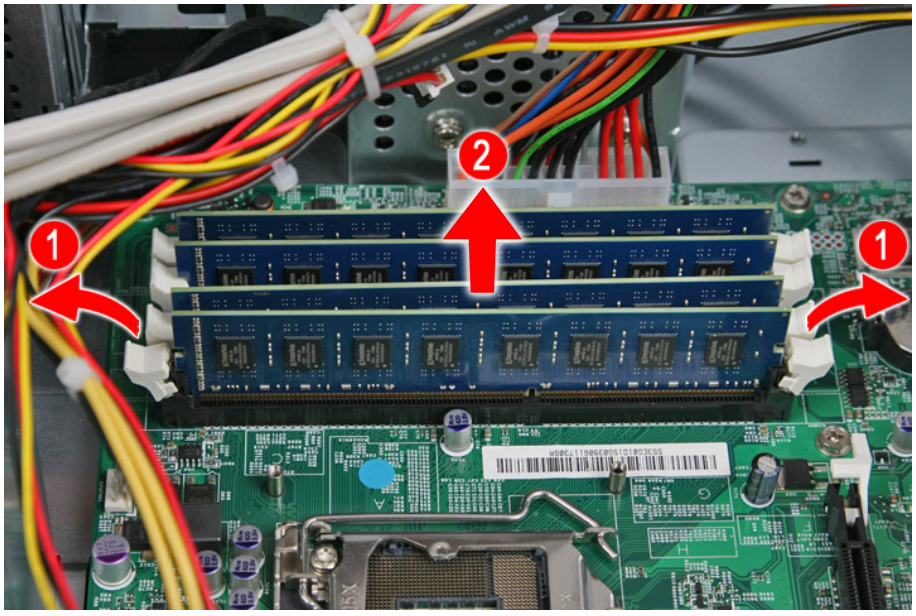
Removing the TV Card

1. Gently pull up the TV card to remove it from the mainboard.



Removing the Memory Modules

1. Release the DIMM module by pressing the holding clips (**1**) on both sides of the DIMM slot. Gently lift the DIMM module (**2**) to remove it from the slot.

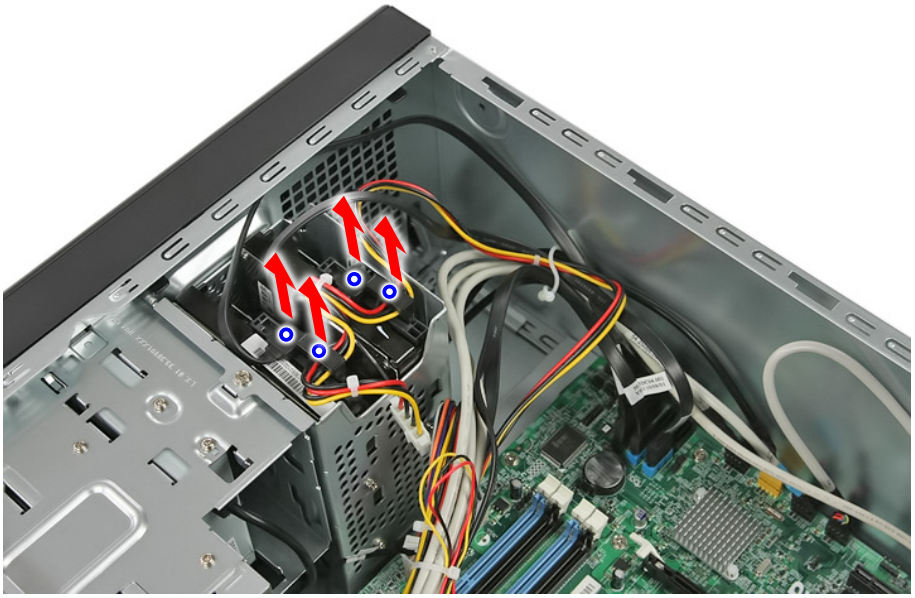


2. Repeat step 1 until you have removed all DIMM modules from their slots.

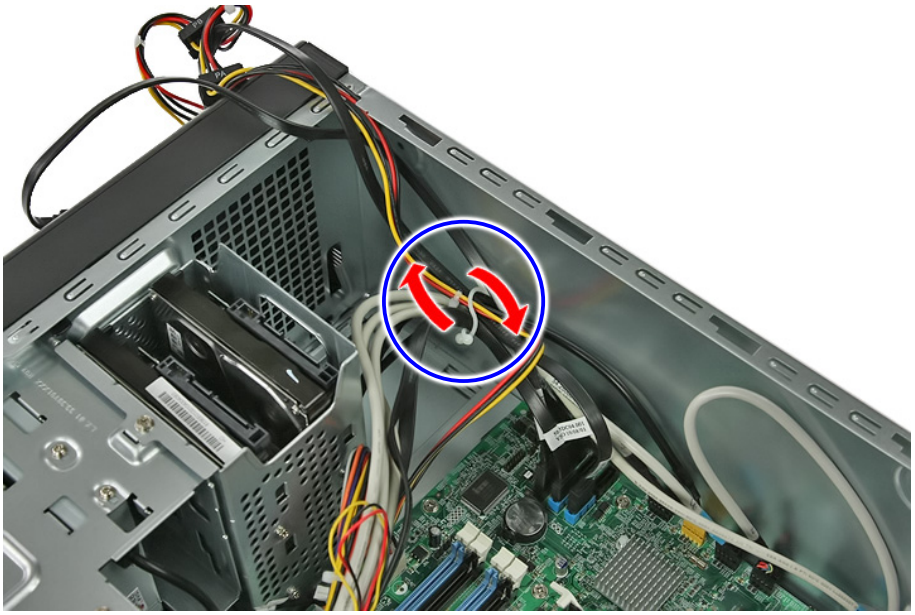
Downloaded from www.Manualslib.com manuals search engine

Removing the Hard Disk Drive

1. Disconnect the data and power cables from the rear of the hard drive.

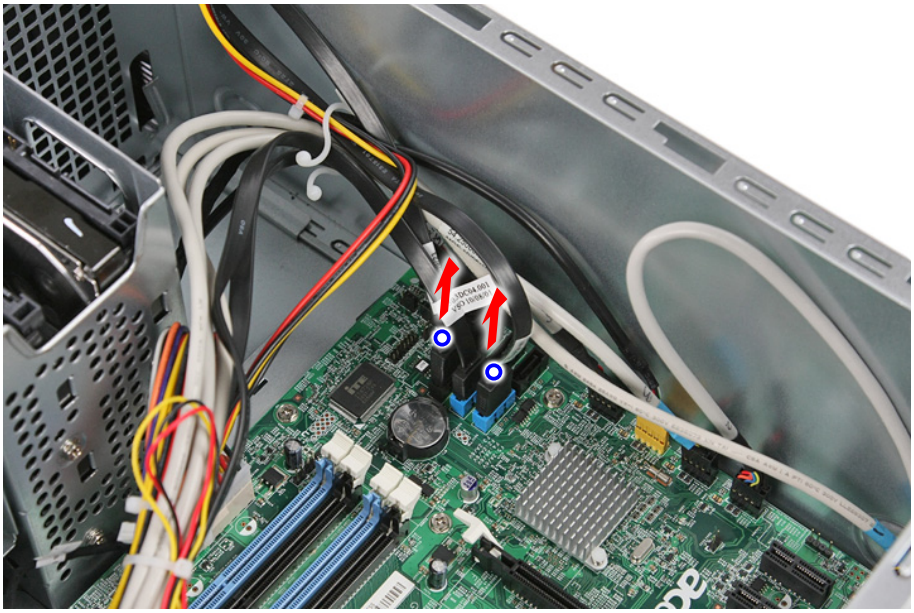


2. Open the cable retention clip.



Downloaded from www.Manualslib.com manuals search engine

3. Disconnect the data cables from the mainboard.

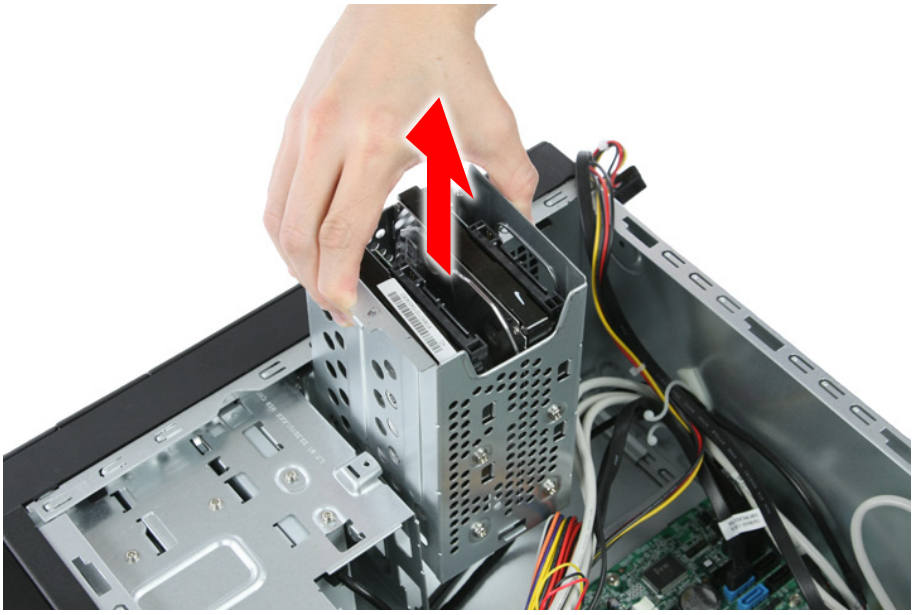


4. Remove the HDD bracket

   a. Remove the screw that secures the HDD bracket to the chassis.

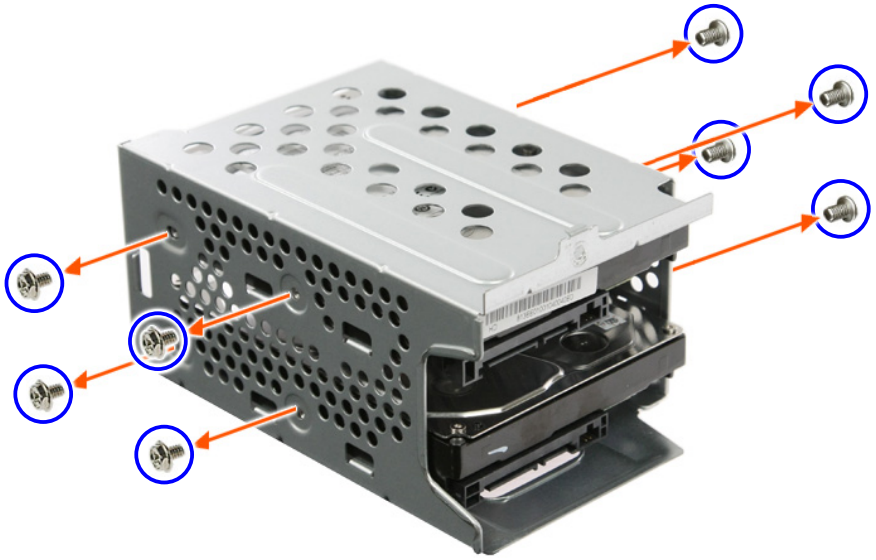
Downloaded from www.Manualslib.com manuals search engine

b. Lift the bracket up and turn it over.



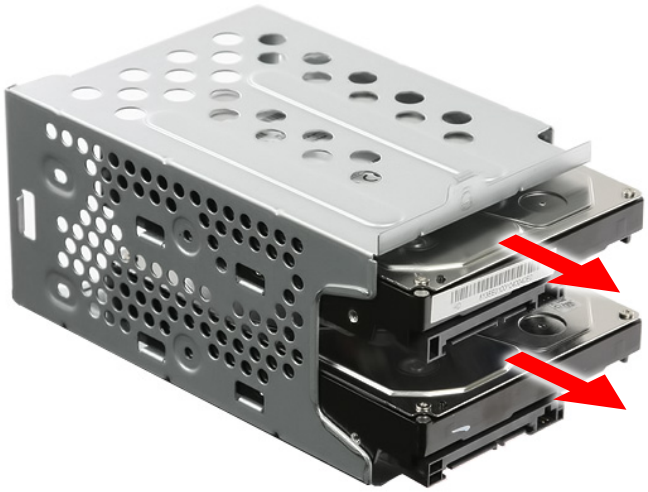
5. Remove the HDD modules.

a. Remove the eight screws that secure the HDD module to the HDD bracket.



Downloaded from www.Manualslib.com manuals search engine

b. Slide the HDD out of the bracket.



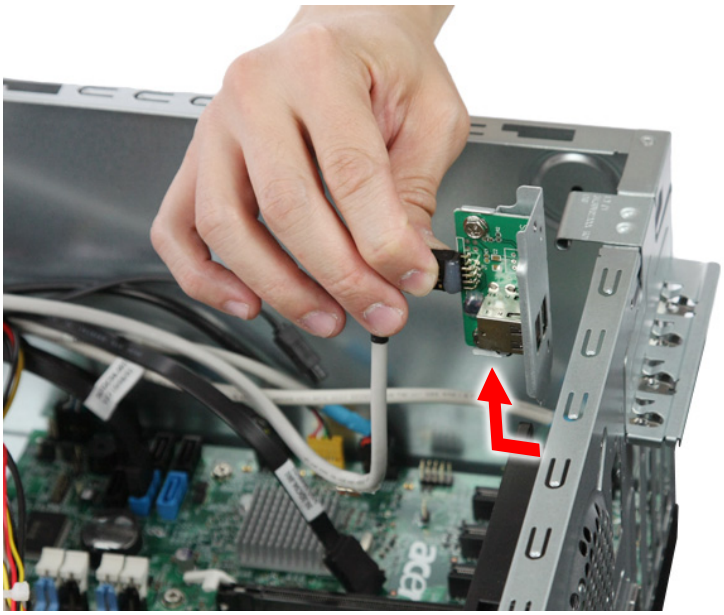
Removing the USB Board

1. Disconnect the USB cable from its mainboard connector.

Downloaded from www.Manualslib.com manuals search engine

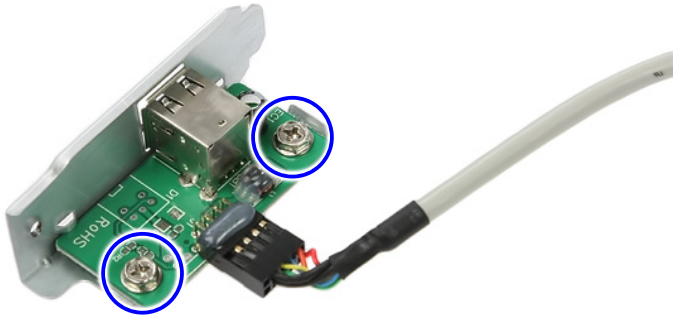
2. Remove the screw that secures the USB board bracket to the chassis.

3. Pull up the USB board and remove from the chassis.

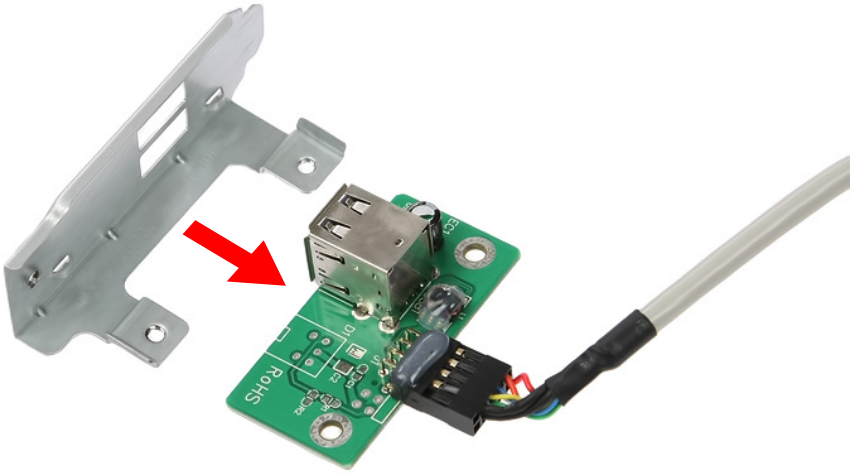


Downloaded from www.Manualslib.com manuals search engine

4. Remove the two screws securing the USB board to the bracket.



5. Remove the USB board from its bracket.



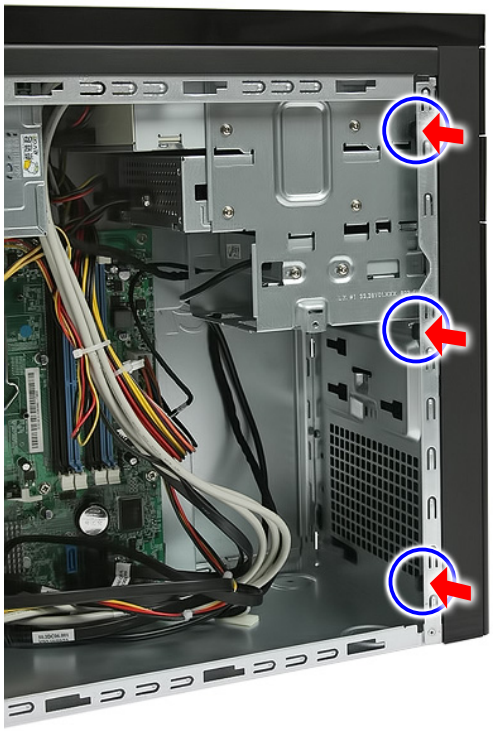
Downloaded from www.Manualslib.com manuals search engine

Removing the Front Bezel

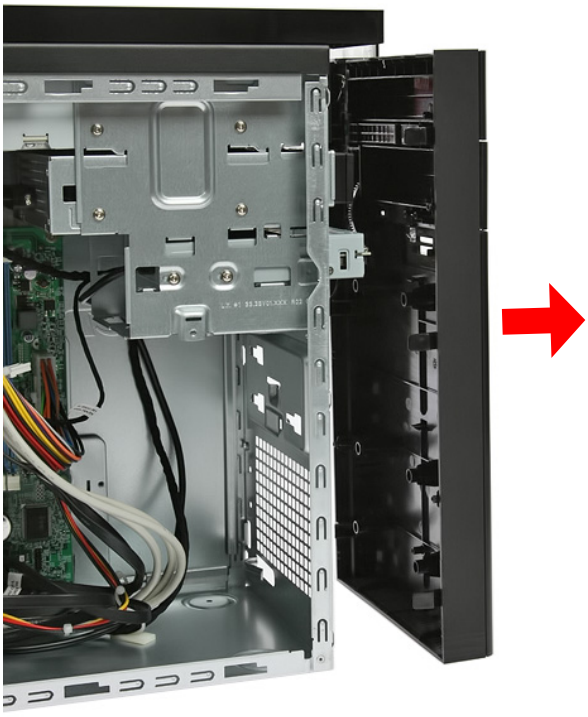
1. Disconnect the LED cable.

Downloaded from www.Manualslib.com manuals search engine

2. Release the front bezel retention tabs from the chassis interior.



3. Pull the bezel away from the chassis.

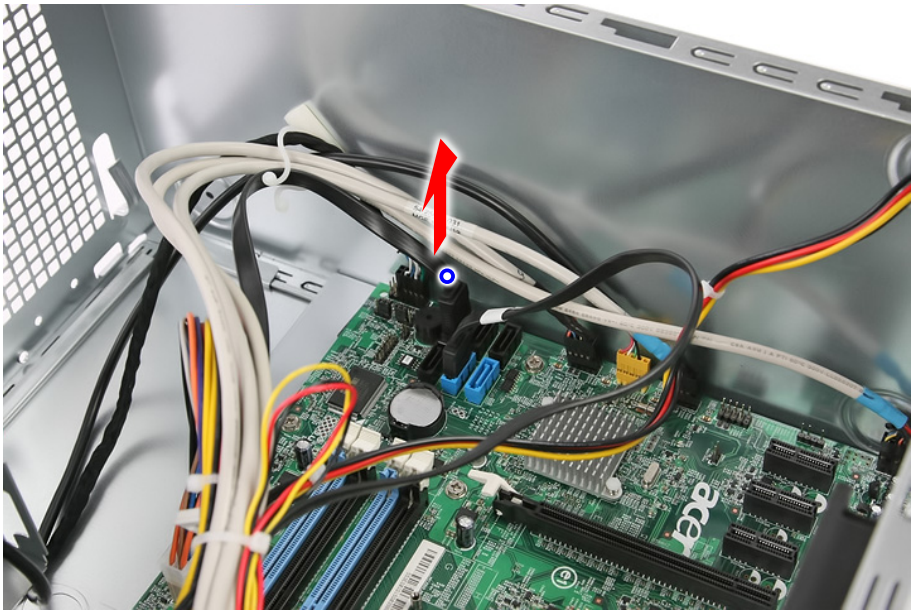


Downloaded from www.Manualslib.com manuals search engine

Removing the Optical Drive

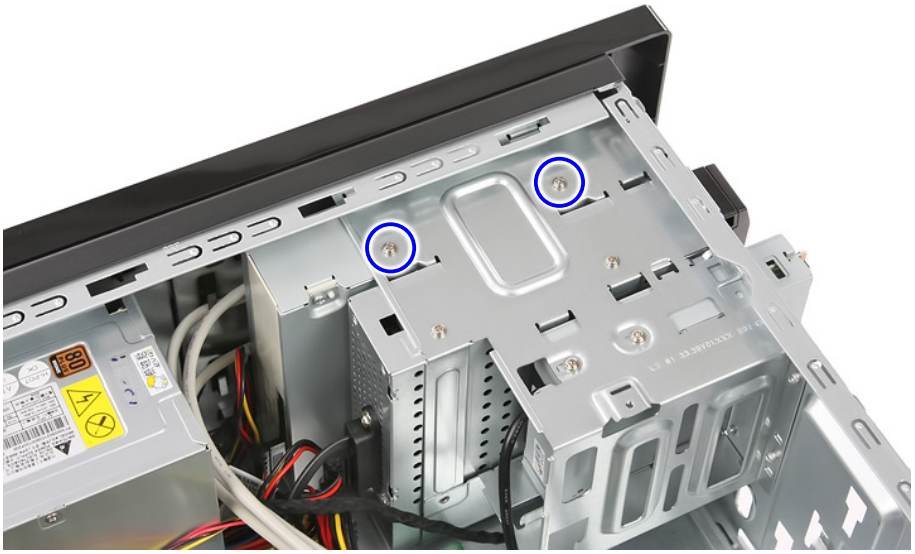
1. Disconnect the data and power cables from the rear of the optical drive.

2. Disconnect the other end of the data cable from the mainboard.

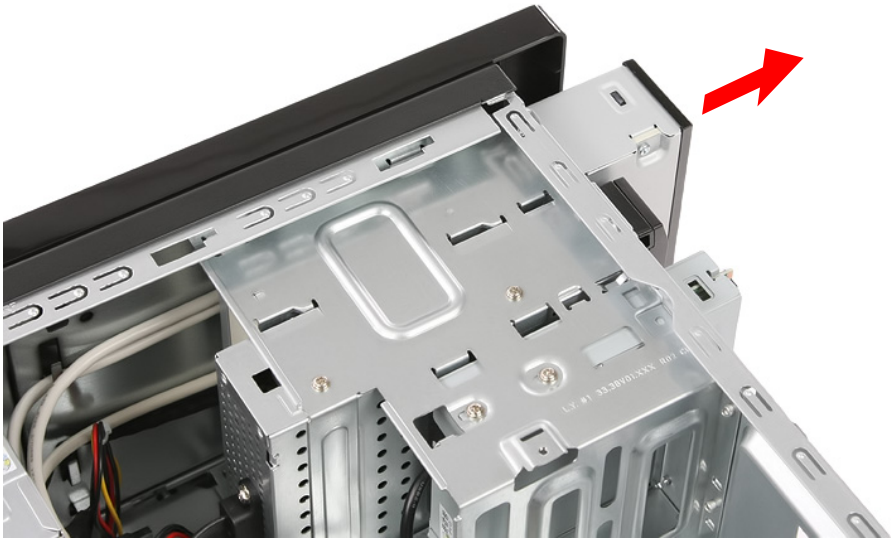


Downloaded from www.Manualslib.com manuals search engine

3. Remove the two screws securing the optical drive.



4. Pull out the optical drive from the drive bay.



Downloaded from www.Manualslib.com manuals search engine

Removing the Removable HDD

1. Gently slide the HDD carrier latch to the right to open the carrier door.

2. Slide the removable HDD carrier out of the HDD bracket.

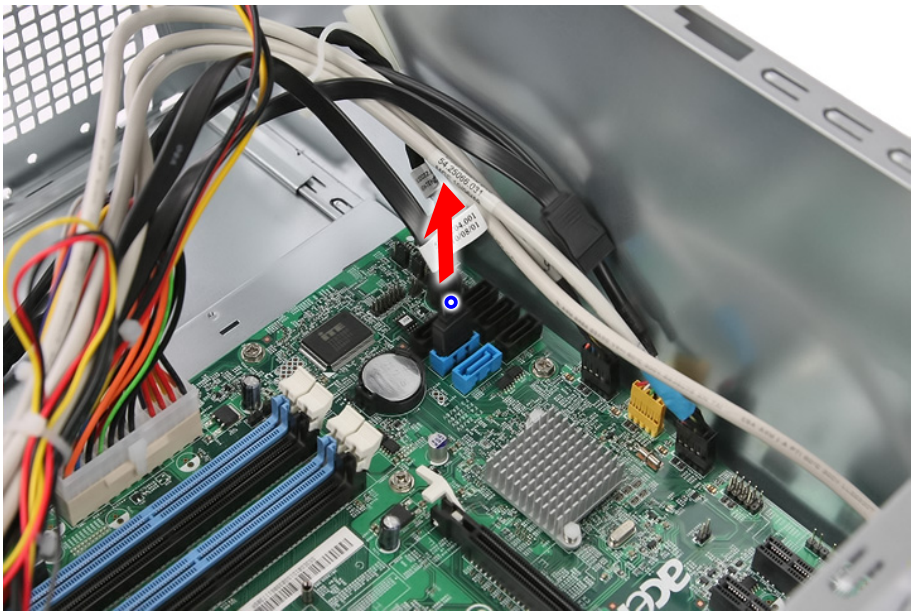
Downloaded from www.Manualslib.com manuals search engine

3. Remove the HDD module.

   a. Pry open one side of the removable HDD carrier until the hooks are away from the screw bores. Remove HDD module.

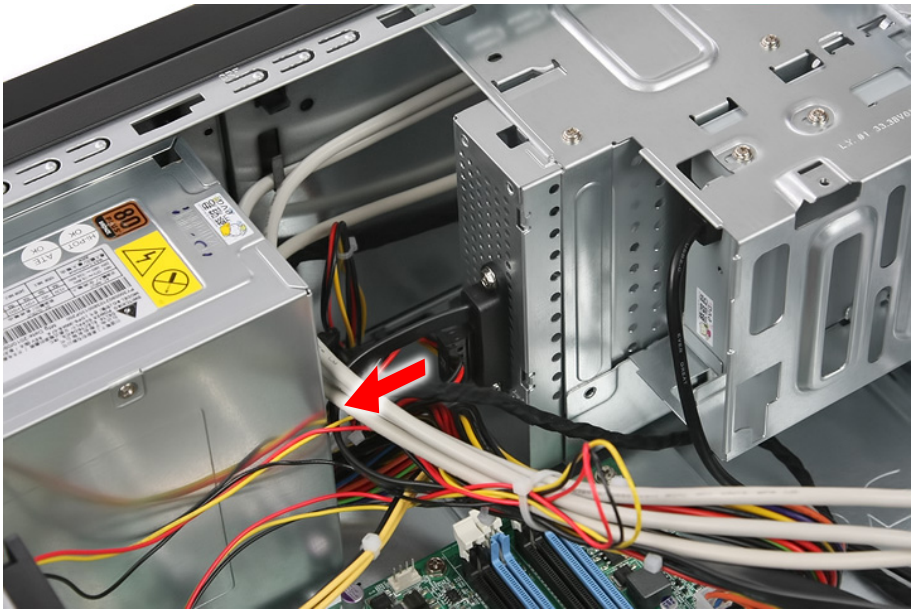
4. Remove the removable HDD bracket.

   a. Disconnect the data cable from the mainboard.

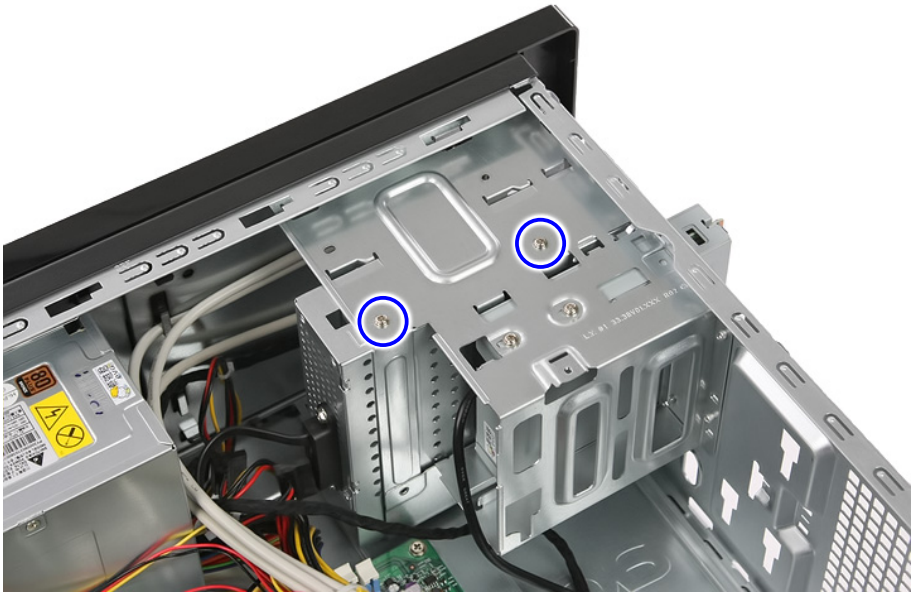


Downloaded from www.Manualslib.com manuals search engine

b. Disconnect the power cable.

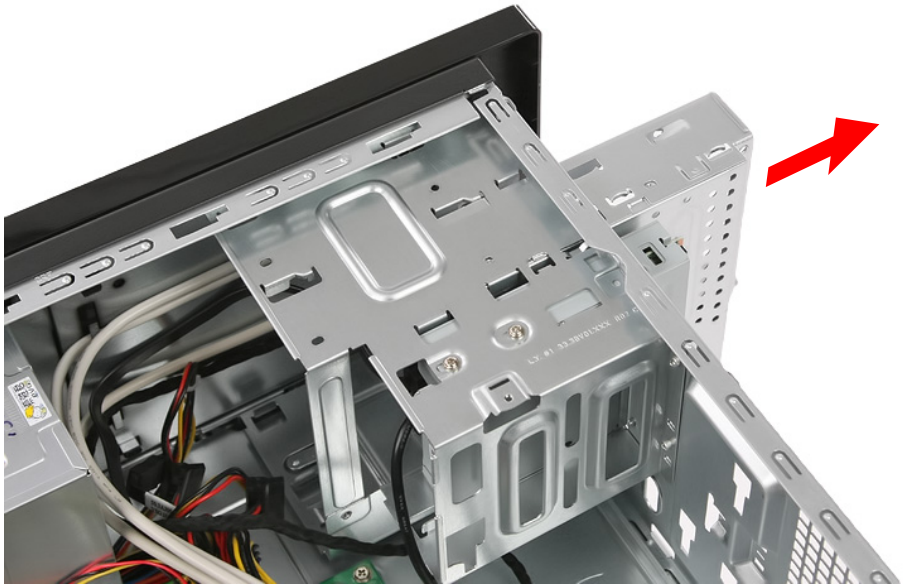


c. Remove the two screws secruing the removable HDD bracket to the chassis.

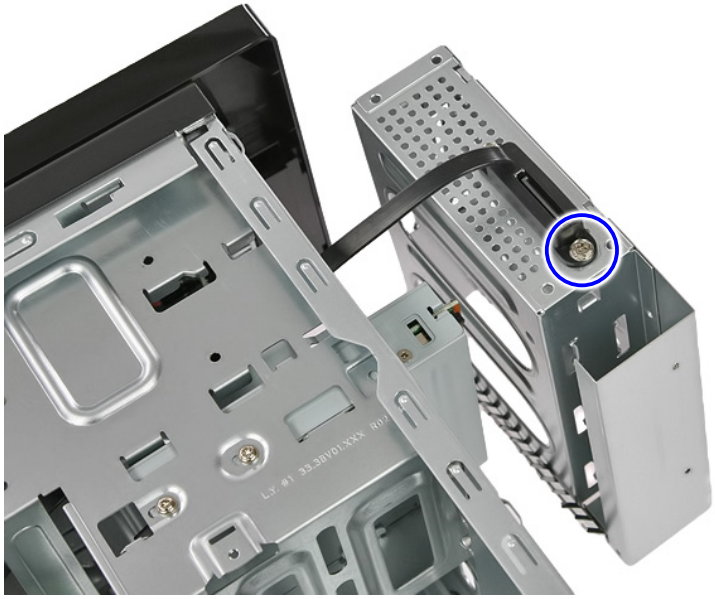


Downloaded from www.Manualslib.com manuals search engine

d. Slide the removable HDD bracket out of the chassis. .

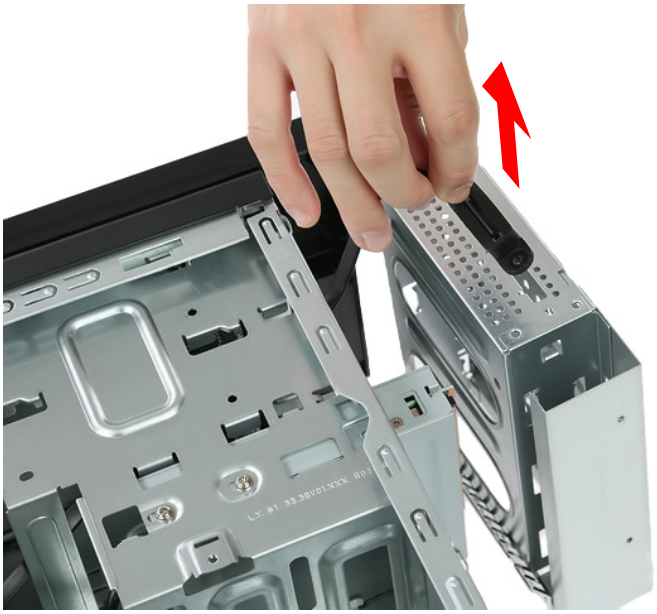


e. Remove the screw securing the cable to the HDD bracket.



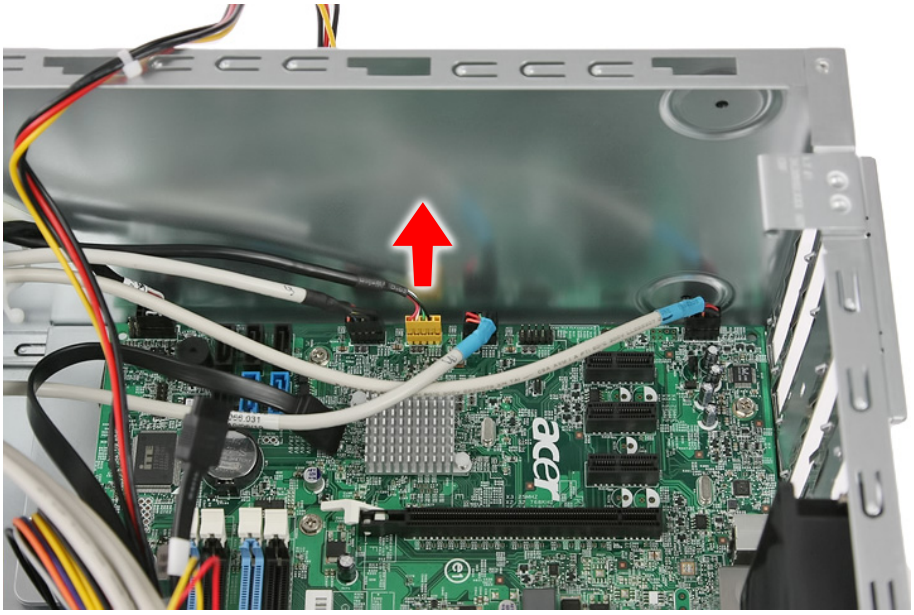
Downloaded from www.Manualslib.com manuals search engine

f. Remove the cable from the bracket.



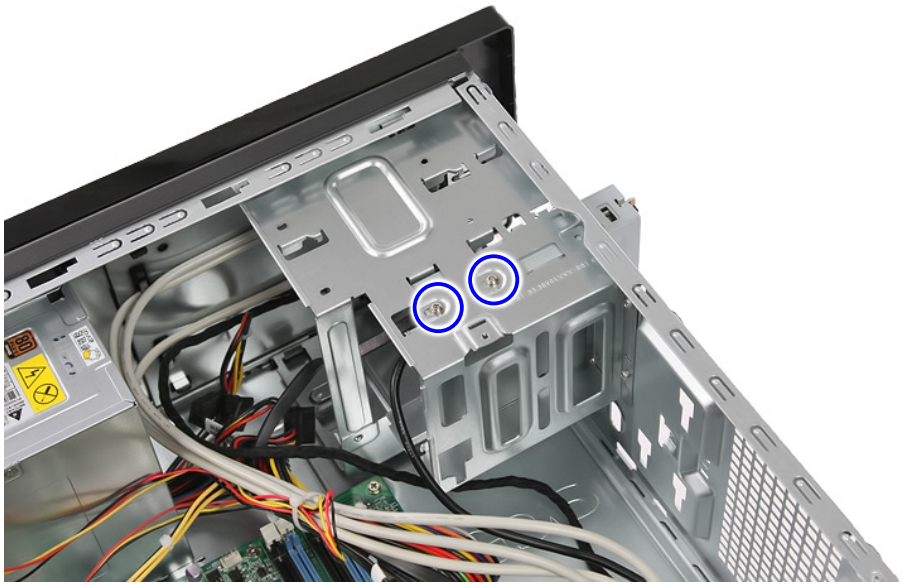
Removing the Card Reader

1. Disconnect the card reader cable from its mainboard connector.

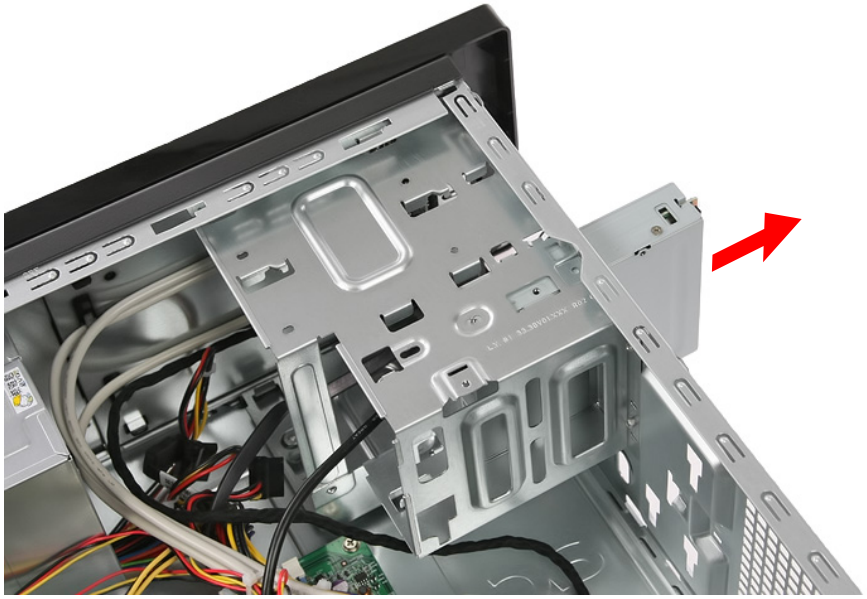


Downloaded from www.Manualslib.com manuals search engine

2. Remove the two screws securing the card reader bracket to the chassis.



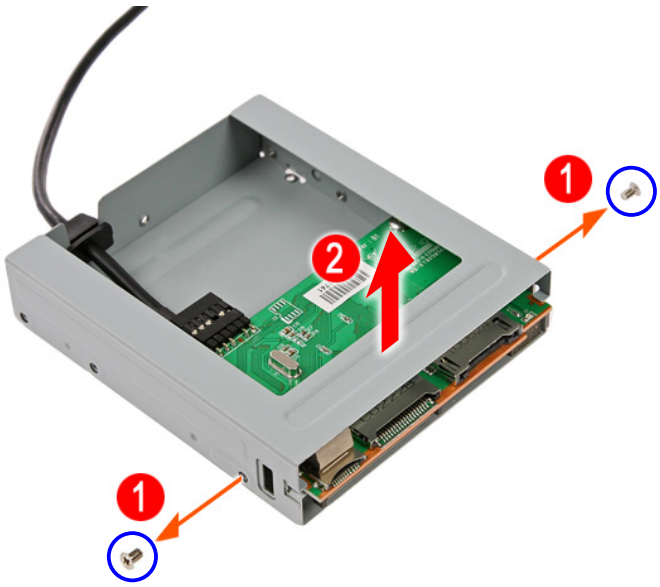
3. Pull the card reader bracket out of chassis.



4. Removing the card reader board.

Downloaded from www.Manualslib.com manuals search engine

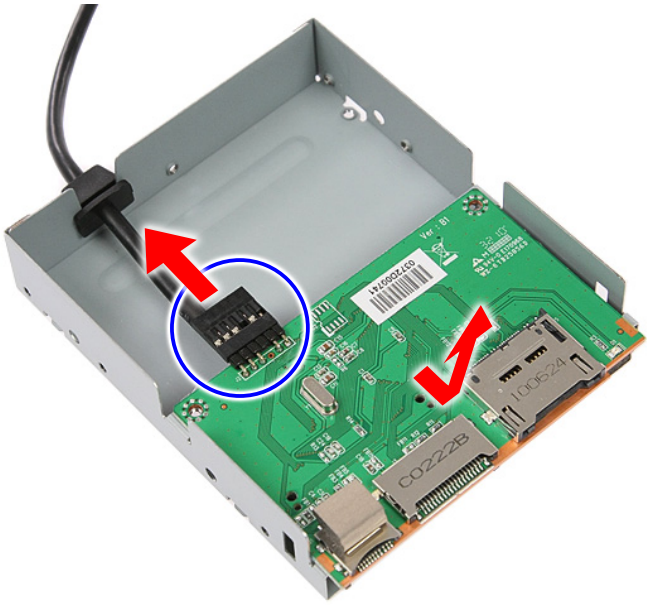
a. Remove the two screws (**1**) securing the card reader to the bracket. Remove the top part of the bracket (**2**).



b. Remove the two screws securing the card reader board to the lower part of the bracket.

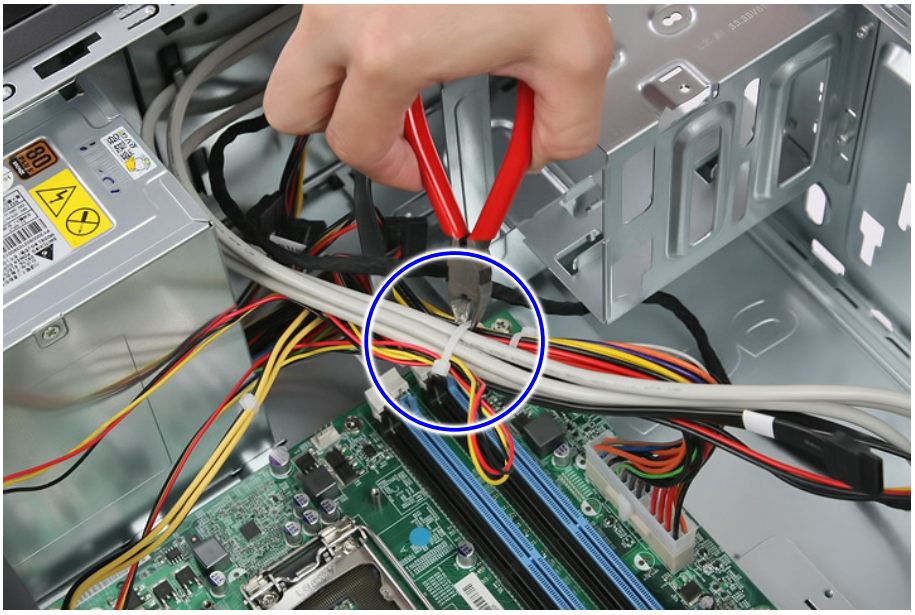
Downloaded from www.Manualslib.com manuals search engine

c. Disconnect the cable from the card reader board and remove the card reader board from the bracket.



Removing the Power Supply

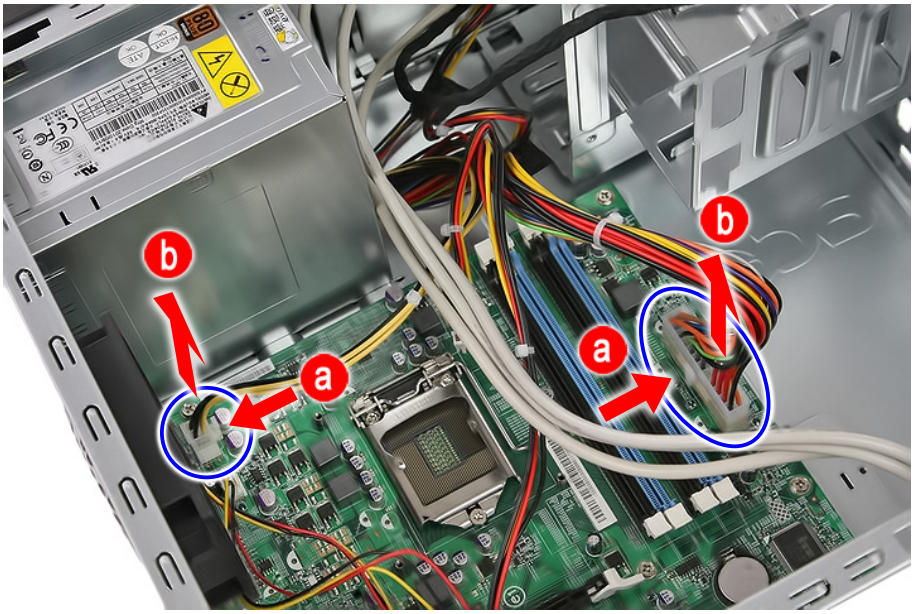
1. Cut the cable retention strip.



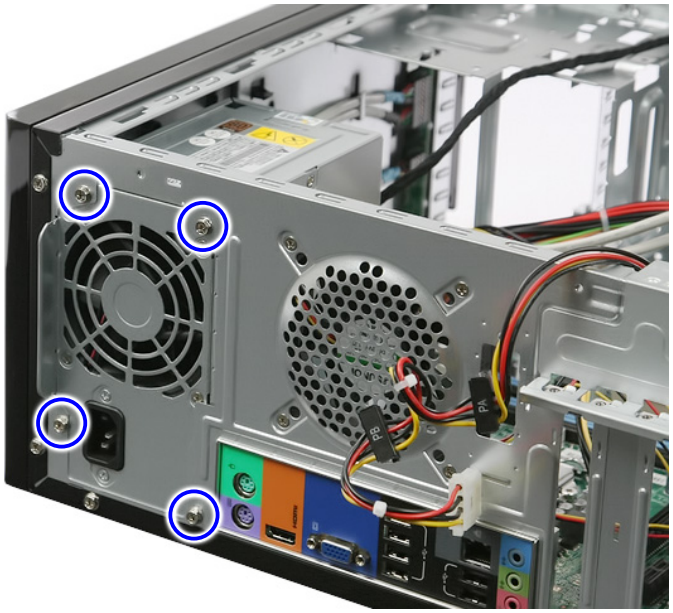
NOTE: Make sure you have spare cable retention clips handy, so that you can bundle the cables after replacing the power supply.

Downloaded from www.Manualslib.com manuals search engine

2. Disconnect the 24-pin and 4-pin power supply cables from the mainboard.



3. Remove the four screw that secures the power supply to the chassis.

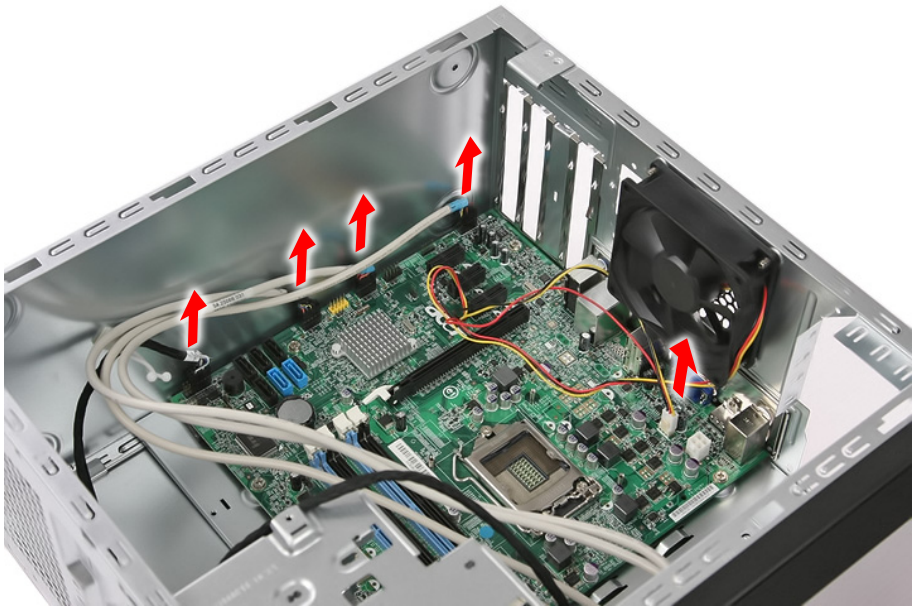


Downloaded from www.Manualslib.com manuals search engine

4. Lift the power supply module out of the chassis.

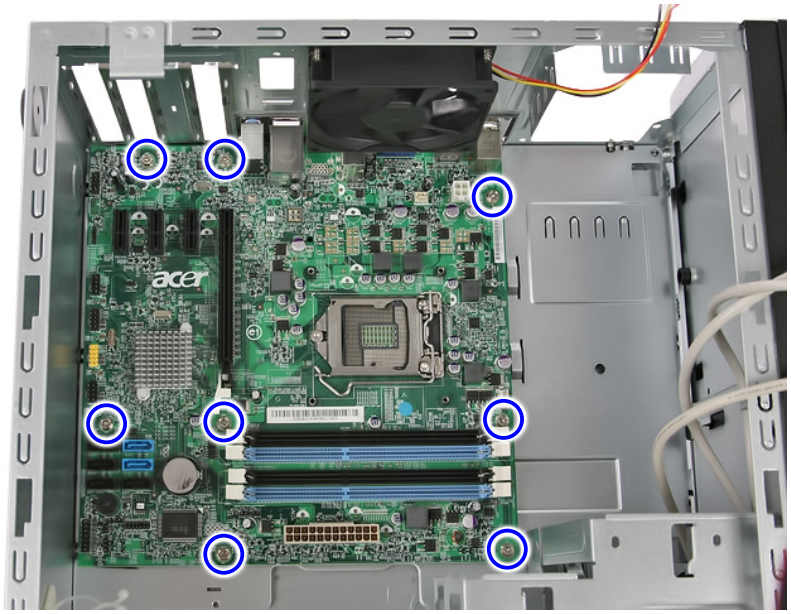
Removing the Mainboard

1. Disconnect the remaining cables from the mainboard.

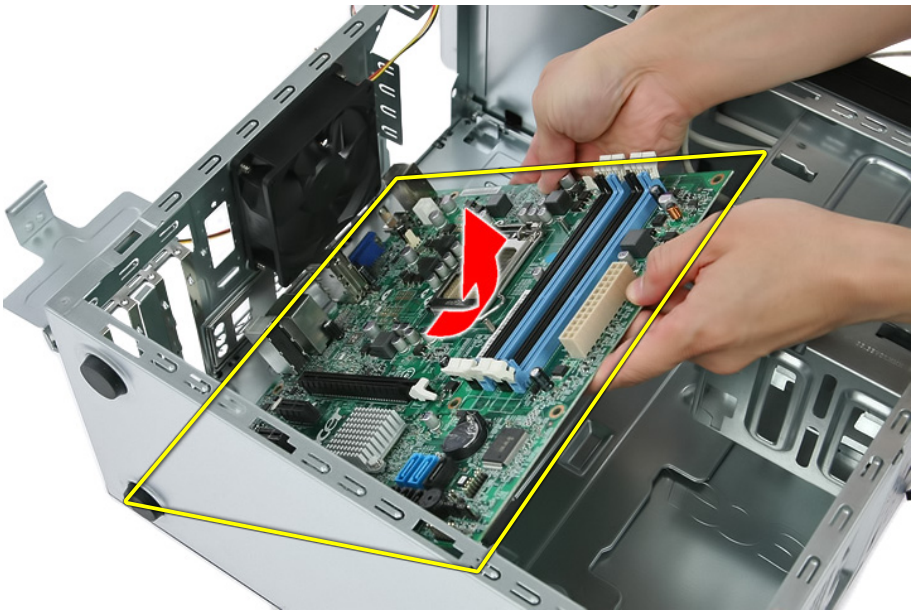


Downloaded from www.Manualslib.com manuals search engine

2. Remove the eight screws securing the mainboard to the chassis.



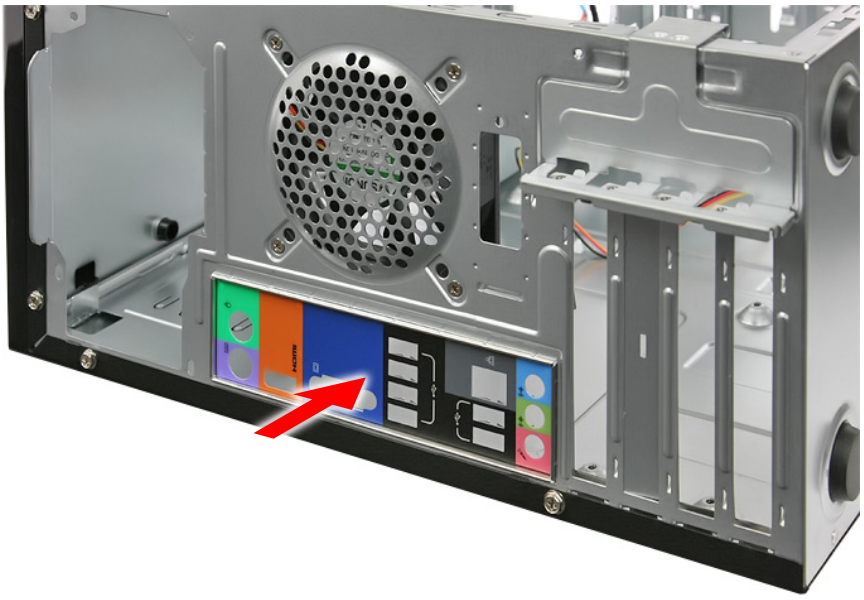
3. Lift the mainboard from the chassis.



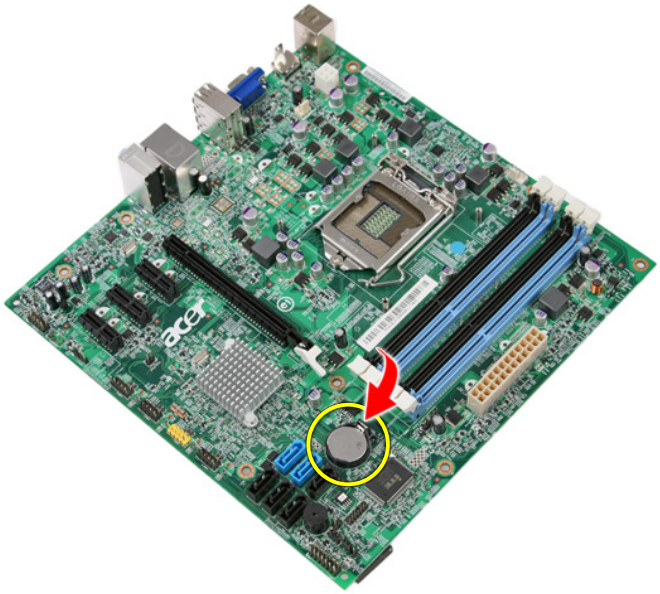
Note: Circuit boards >10 cm² has been highlighted with the yellow rectangle as above image shows. Please detach the circuit boards and follow local regulations for disposal.

Downloaded from www.Manualslib.com manuals search engine

4. Press the I/O shield to remove it.



5. Remove the RTC battery.



Note: RTC battery has been highlighted with the yellow circle as above image shows.

Please remove the RTC battery and follow local regulations for disposal.

Downloaded from www.Manualslib.com manuals search engine

Chapter 4

System Troubleshooting

This chapter provides instructions on how to troubleshoot system hardware problems.

Hardware Diagnostic Procedure

IMPORTANT: The diagnostic tests described in this chapter are only intended to test Acer products. Non-Acer products, prototype cards, or modified options can give false errors and invalid system responses.

1. Obtain the failing symptoms in as much detail as possible.
2. Verify the symptoms by attempting to recreate the failure by running the diagnostic tests or repeating the same operation.
3. Refer to “Power System check” and “Beep Codes” to determine which corrective action to perform.

Downloaded from www.Manualslib.com manuals search engine

System Check Procedures

Power System Check

If the system will power on, skip this section. Refer to System External Inspection.

If the system will not power on, do the following:

- Check if the power cable is properly connected to the system and AC source.
- Check if the voltage selector switchis set to the correct voltage setting.

System External Inspection

1. Inspect the LED indicators on the front panel, which can indicate the malfunction.
2. Make sure that air flow is not blocked.
3. Make sure nothing in the system is making contact that could short out power.
4. If the problem is not evident, continue with System Internal Inspection.

System Internal Inspection

1. Turn off the system and all the peripherals connected to it.
2. Unplug the power cord from the power outlets.
3. Unplug the power cord from the system.
4. Unplug all peripheral cables from the system.
5. Place the system unit on a flat, stable surface.
6. Remove the system covers.For instructions on removing system covers, refer to “System Disassembly”.
7. Verify that components are properly seated.
8. Verify that all cable connectors inside the system are firmly and correctly attached to their appropriate connectors.
9. Verify that all components are Acer-qualified and supported.
10. Replace the system covers.
11. Power on the system.
12. If the problem with the system is not evident, you can try viewing the POST messages and BIOS event logs during the system startup.

Downloaded from www.Manualslib.com manuals search engine

Beep Codes

Beep codes are used by the BIOS to indicate a serious or fatal error to the end user. Beep codes are used when an error occurs before the system video has been initialized. Beep codes will be generated by the system board speaker, commonly referred to as the PC speaker.

AMIBIOS displays the checkpoints in the bottom right corner of the screen during POST. This display method is limited, since it only displays checkpoints that occur after the video card has been activated.

Not all computers using AMIBIOS enable this feature. In most cases, a checkpoint card is the best tool for viewing AMIBIOS checkpoints.

Beep Symptom	Cause and Description
One short beep	System is ready. System is OK.
Continuous one long beep	Memory not installed or memory error.
One long beep and two short beeps then repeat.	VGA not installed or VGA error. Graphics card error/not installed, graphics card memory error or graphics card BIOS checksum error.
One long beep then one short beep	BIOS damaged. BIOS is damaged, BIOS POST jumps to Boot Block to execute the default procedures.
Two short beeps	CMOS damaged. CMOS checksum error or CMOS battery loss occurs.

Downloaded from www.Manualslib.com manuals search engine

Checkpoints

A checkpoint is either a byte or word value output to I/O port 80h.The BIOS outputs checkpoints throughout bootblock and Power-On Self Test (POST) to indicate the task the system is currently executing. Checkpoint sare very useful in aiding software developers or technicians in debugging problems that occur during the pre-boot process.

Viewing BIOS checkpoints

Viewing all checkpoints generated by the BIOS requires acheckpoint card, also referred to as a POST card or POST diagnostic card. These are ISA or PCI add-in cards that show the value of I/O port 80h on a LED display. Checkpoints may appear on the bottom right corner of the screen during POST. This display method islimited, since it only displays checkpoints thatoccur after the video card has been activated.

Bootblock Initialization Code Checkpoints

The Bootblock initialization code sets up the chipset,memory, and other components before system memory is available. The following table describes the type of checkpoints that may occur during the bootblock initialization portion of the BIOS.

NOTE: Please note that checkpoints may differ between different platforms based on system configuration.Checkpoints may change due to vendor requirements,system chipset or option ROMs from add-in PCI devices.

Checkpoint	Description
Before D0	If boot block debugger is enabled, CPU cache-as-RAM functionality is enabled at this point. Stack will be enabled from this point.
D0	Early Boot Strap Processor (BSP) initialization like microcode update, frequency and other CPU critical initialization. Early chipset initialization is done.
D1	Early super I/O initialization is done including RTC and keyboard controller. Serial port is enabled at this point if needed for debugging. NMI is disabled. Perform keyboard controller BAT test. Save power-on CPUID value in scratch CMOS. Go to flat mode with 4GB limit and GA20 enabled.
D2	Verify the boot block checksum. System will hang here if checksum is bad.
D3	Disable CACHE before memory detection. Execute full memory sizing module. If memory sizing module not executed, start memory refresh and do memory sizing in Boot block code. Do additional chipset initialization. Re-enable CACHE. Verify that flat mode is enabled.
D4	Test base 512KB memory. Adjust policies and cache first 8MB. Set stack.
D5	Bootblock code is copied from ROM to lower system memory and control is given to it. BIOS now executes out of RAM. Copies compressed boot block code to memory in right segments. Copies BIOS from ROM to RAM for faster access. Performs main BIOS checksum and updates recovery status accordingly.
D6	Both key sequence and OEM specific method is checked to determine if BIOSrecovery is forced. Main BIOS checksum is tested. If BIOS recovery is necessary,control flows to checkpoint E0. See Bootblock Recovery Code Checkpoints sectionfor more information.
D7	Restore CPUID value back into register. The Bootblock-Runtime interface module is moved to system memory and control is given to it. Determine whether to execute serial flash.
D8	The Runtime module is uncompressed into memory. CPUID information is stored in memory.
D9	Store the Uncompressed pointer for future use in PMM. Copying Main BIOS into memory. Leaves all RAM below 1MB Read-Write including E000 and F000 shadow areas but closing SMRAM.

Downloaded from www.Manualslib.com manuals search engine

Checkpoint	Description
DA	Restore CPUID value back into register. Give control to BIOS POST (ExecutePOSTKernel). See POST Code Checkpoints section of document for more information.
DC	System is waking from ACPI S3 state.
E1-E8 EC-EE	OEM memory detection/configuration error. This range is reserved for chipset vendors & system manufacturers. The error associated with this value may be different from one platform to the next.

Downloaded from www.Manualslib.com manuals search engine

Bootblock Recovery Code Checkpoints

The Bootblock recovery code gets control when the BIOS determines that a BIOS recovery needs to occur because the user has forced the update or the BIOS checksum is corrupt. The following table describes the type of checkpoints that may occur during the Bootblock recovery portion of the BIOS.

NOTE: Checkpoints may differ between different platforms based on system configuration. Checkpoints maychange due to vendor requirements, system chipset or option ROMs from add-in PCI devices.

Checkpoint	Description
E0	Initialize the floppy controller in the super I/O. Some interrupt vectors are initialized. DMA controller is initialized. 8259 interrupt controller is initialized. L1 cache is enabled.
E9	Set up floppy controller and data. Attempt to read from floppy.
EA	Enable ATAPI hardware. Attempt to read from ARMD and ATAPI CDROM.
EB	Disable ATAPI hardware. Jump back to checkpoint E9.
EF	Read error occurred on media. Jump back to checkpoint EB.
F0	Search for pre-defined recovery file name in root directory.
F1	Recovery file not found.
F2	Start reading FAT table and analyze FAT to find the clusters occupied by the recovery file.
F3	Start reading the recovery file cluster by cluster.
F5	Disable L1 cache.
FA	Check the validity of the recovery file configuration to the current configuration of the flash part.
FB	Make flash write enabled through chipset and OEM specific method. Detect proper flash part. Verify that the found flash part size equals the recovery file size.
F4	The recovery file size does not equal the found flash part size.
FC	Erase the flash part
FD	Program the flash part.
FF	The flash has been updated successfully. Make flash write disabled. Disable ATAPI hardware. Restore CPUID value back into register. Give control to F000 ROM at F000:FFF0h.

Downloaded from www.Manualslib.com manuals search engine

BIOS Recovery

1. This function only effects when the BIOS BootBlock section is healthy.
2. Allow to execute recovery function media: FDD / USB storage / ODD.
3. The recovery media to support Boot function is unnecessary.
4. Recovery step as follow:

   4-1. Copy the latest BIOS ROM file to the root directory of recovery media.

   4-2. Rename the BIOS ROM file to be "AMIBOOT.ROM".

   4-3. Insert the recovery device to system and then power on the system.

   4-4. Don't do anything during the recovery function to be progress but just only observe the recovery media has been loading or not.

   4-5. If the recovery function run normally, the recovery function will execute 1~3 minutes.

   4-6. The system will auto reboot after the recovery function finished and please enter the setup menu to load default after system reboot.

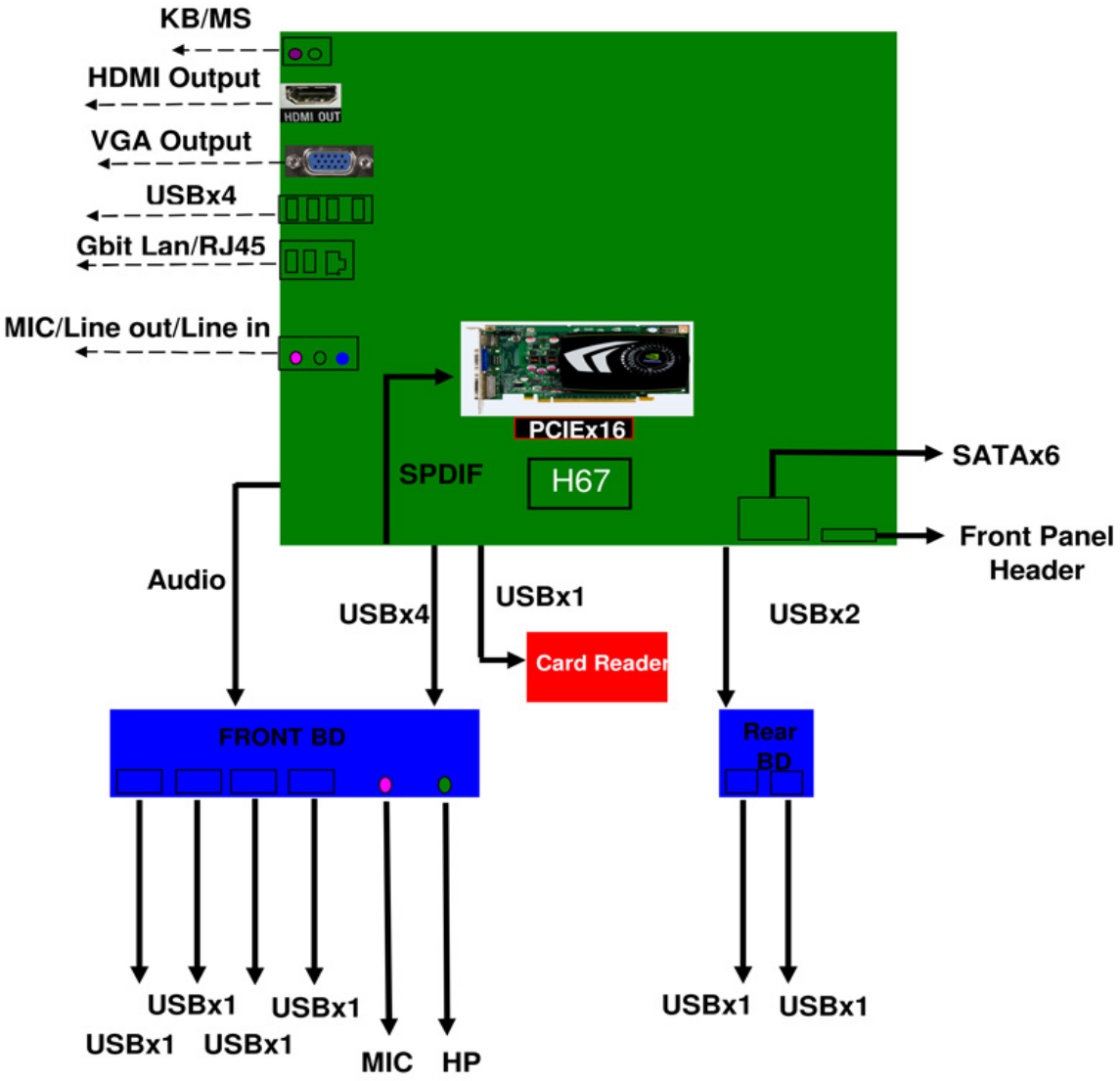
Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

System Architecture

This chapter shows the block diagram and board layout of the computer.

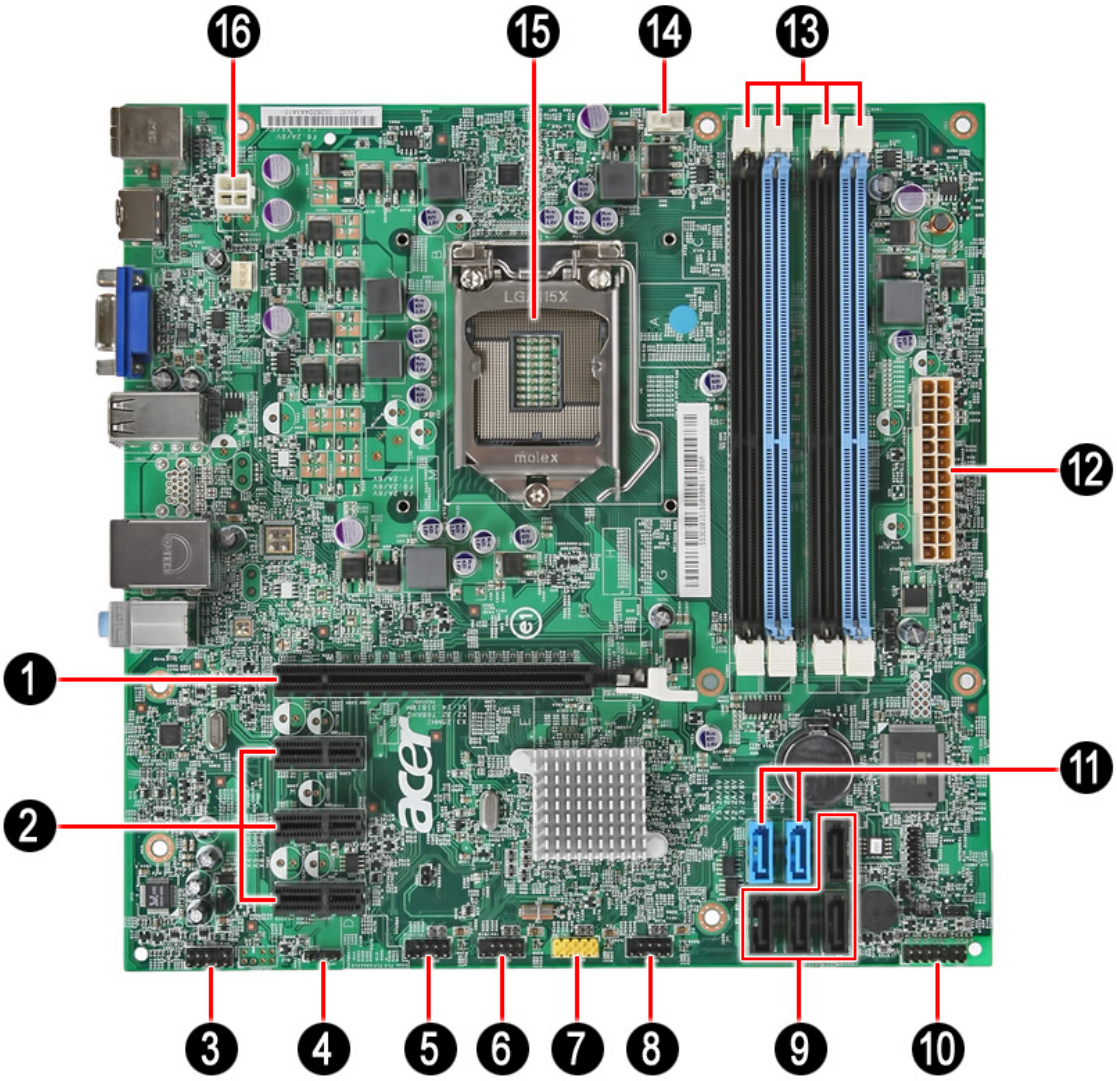
Block Diagram



Downloaded from www.Manualslib.com manuals search engine

Mainboard Layout

This section shows the major mainboard components.



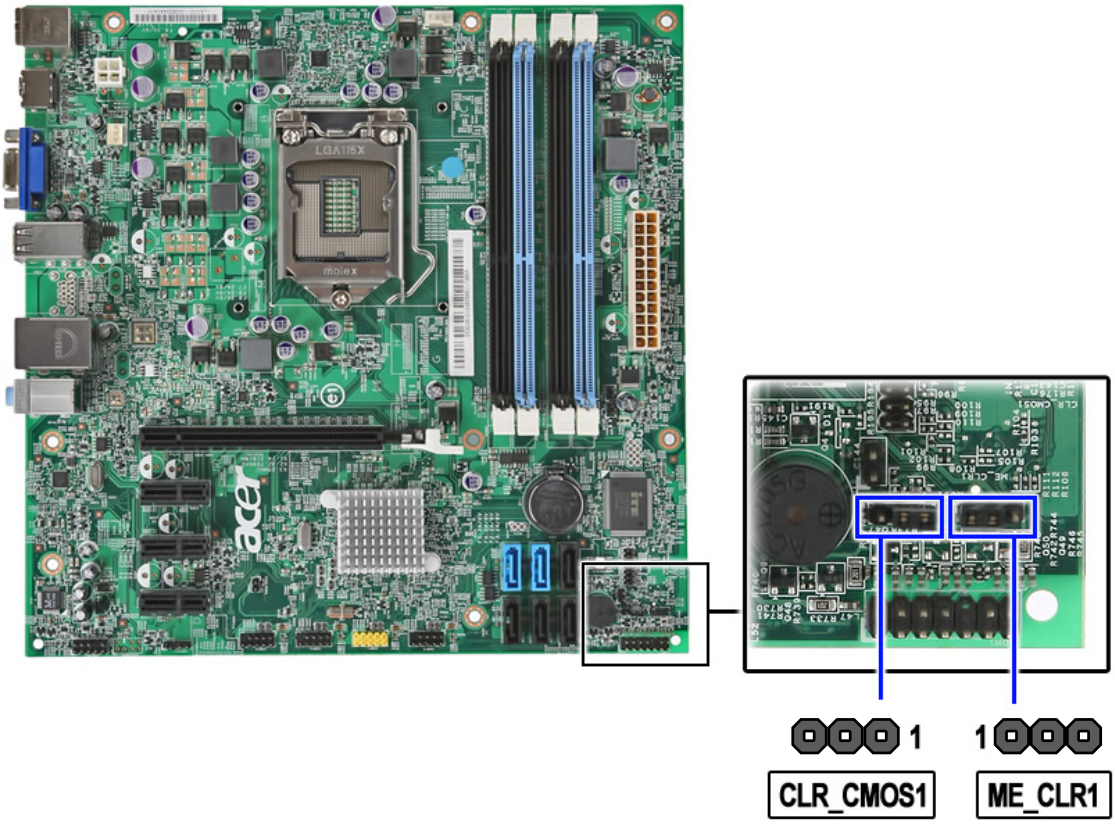
No	Label	Description	No	Label	Description
1	PCIE116X1	PCIEx 16 socket	11	SATA0~1	SATA0 and 1 cable connectors
2	PCIE1~3	PCIEx1 sockets	12	PWR1	24-pin ATX power connector
3	AUDIO_F	Front audio header	13	DIMM1~4	Memory slots DIMM1 to 4
4	SPDIF1	SPDIF audio header	14	CPUFAN1	CPU fan connector
5~8	USBF1~4	Front panel USB headers	15	U2	CPU Socket
9	SATA2~5	SATA2 to 5 cable connectors	16	PWR2	4-pin +12V power connector
10	LEDH1	LED indicator header			

Downloaded from www.Manualslib.com manuals search engine

Jumper Setting

This section explains how to set the jumper for correct configuration of the main board.

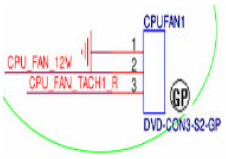
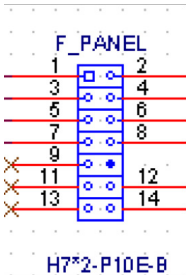
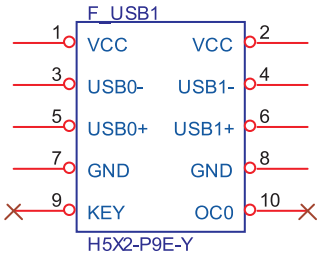
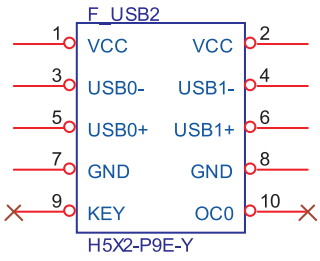
Jumpers with more than one pin are numbered. When setting a jumper, ensure that the jumper caps are placed on the correct pins.



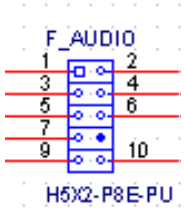
Jumper	Type	Description	Setting (default)	Picture
CLR_CMOS1	3-pin	Clear CMOS	1-2: Normal 2-3: Clear Before clearing the CMOS, make sure to turn the system off.	
ME_CLR1	3-pin	Clear ME	1-2: Normal 2-3: ME disabled	

Downloaded from www.Manualslib.com manuals search engine

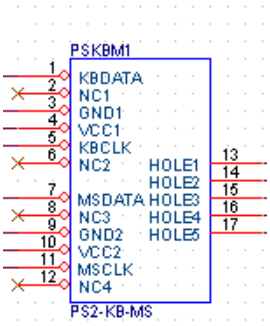
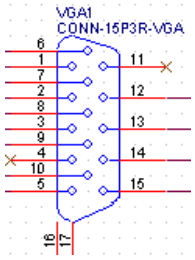
Internal header pin definition

Header Name	Function	Definition
	CPU FAN HEADER	1: GND 2: +12V 3: SENSE
	FRONT PANEL HEADER	1: SATALED+ 2: ACPI_LED 3: SATALED- 4: PWR_LED 5: GND 6: PWR_SW 7: RESET 8: GND 9: NC 10: Key 11: NC 12: VCC 13: NC 14: -ACTIVE_C
	FRONT USB HEADER	1: USBVCC_1 2: USBVCC_1 3: USB0_XN 4: USB1_XN 5: USB0_XP 6: USB1_XP 7:GND 8: GND 9: KEY 10: GND
	FRONT USB HEADER	1: USBVCC_2 2: USBVCC_2 3: USB2_XN 4: USB4_XN 5: USB2_XP 6: USB4_XP 7:GND 8: GND 9: KEY 10: GND

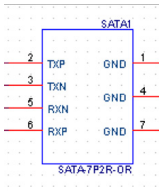
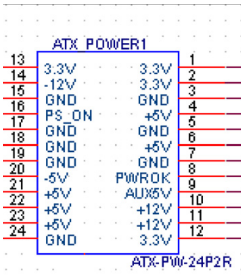
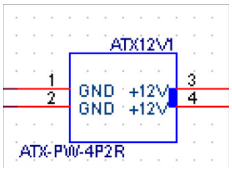
Downloaded from www.Manualslib.com manuals search engine

Header Name	Function	Definition
	FRONT AUDIO HEADER	1: PORT-F_L 2: AUGND 3: PORT-F_R 4: FRONT_AUD_DET 5: PORT-E_R 6: MIC2_JD 7: AUGND 8: KEY 9: PORT-E_L 10: LINE2_JD

Connector pin definition

Connector Name	Function	Definition
	PSKBMS CONN	1: KBDATA 2: NC 3: GND 4: KBVCCSB 5: KBCLK 6: NC 7: MSDATA 8: NC 9: GND 10: KBVCCSB 11: MSCLK 12: NC 13: GND 14: GND 15: GND 16: GND 17: GND
	VGA CONN	1: RED 2: GREEN 3: BLUE 4,11: NC 9: HDMIVCC 12: VDAC_SDAT 13: HSYNC 14: VSYNC 15: VDAC_SCLK 5,6,7,8,10,16,17: GND

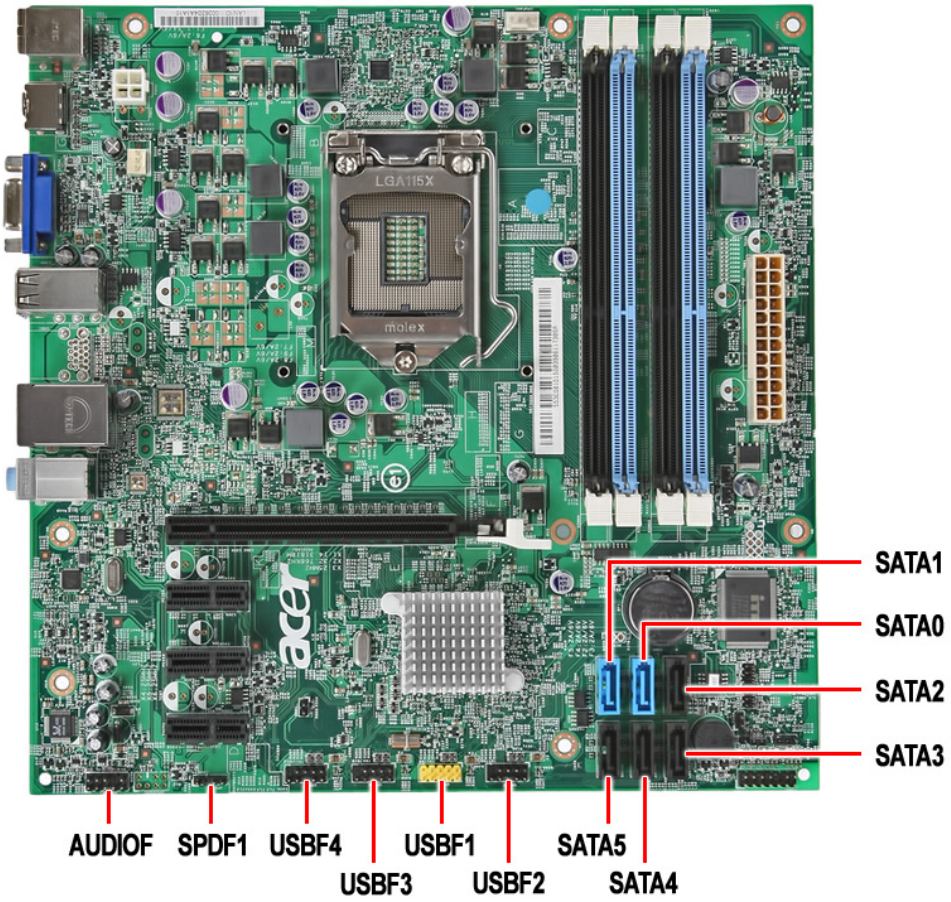
Downloaded from www.Manualslib.com manuals search engine

Connector Name	Function	Definition
	SATA CONN	1: GND 2: SATA0_TX_P 3: SATA0_TX_N 4: GND 5: SATA0_RX_N 6: SATA0_RX_P 7: GND
	ATX_POWER CONN	1:VCC3 13:VCC3 2:VCC3 14:-12V 3: GND 15:GND 4:VCC 16:ATX_PSON_L 5:GND 17:GND 6:VCC 18:GND 7:GND 19:GND 8:ATX_PWRGD 20:NC 9:5VSB 21VCC 10:+12V 22:VCC 11:+12V 23:VCC 12:VCC3 24:GND
	ATX12V CONN	1: GND 2: GND 3: +12V_4P 4: +12V_4P

Downloaded from www.Manualslib.com manuals search engine

Connecting Optional Devices

Refer to the following for information on connecting the main board's optional devices:



SATA0~5: Serial ATA connectors

These connectors are used to support the new Serial ATA devices for the highest datatransfer rates (3.0 Gb/s), simpler disk drive cabling and easier PC assembly. It elimi-nates limitations of the current Parallel ATA interface. But maintains register com-patibility and software compatibility with Parallel ATA.

Pin	Signal Name	Pin	Signal Name
1	Ground	2	TX+
3	TX-	4	Ground
5	RX-	6	RX+
7	Ground		

AUDIOF_F: Front Panel Audio header

This header allows the user to install auxiliary front-oriented microphone and line-out ports for easier access.

Pin	Signal Name	Pin	Signal Name
1	PORT 1L	2	AUD_GND
3	PORT 1R	4	PRESENCE#
5	PORT 2R	6	SENSE1_RETURN
7	SENSE_SEND	8	KEY
9	PORT 2L	10	SENSE2_RETURN

Downloaded from www.Manualslib.com manuals search engine

USBF1~4: Front Panel USB headers

The motherboard supports eight USB ports on the rear panel and four USB ports on the front. The USB header pins description is as follows:

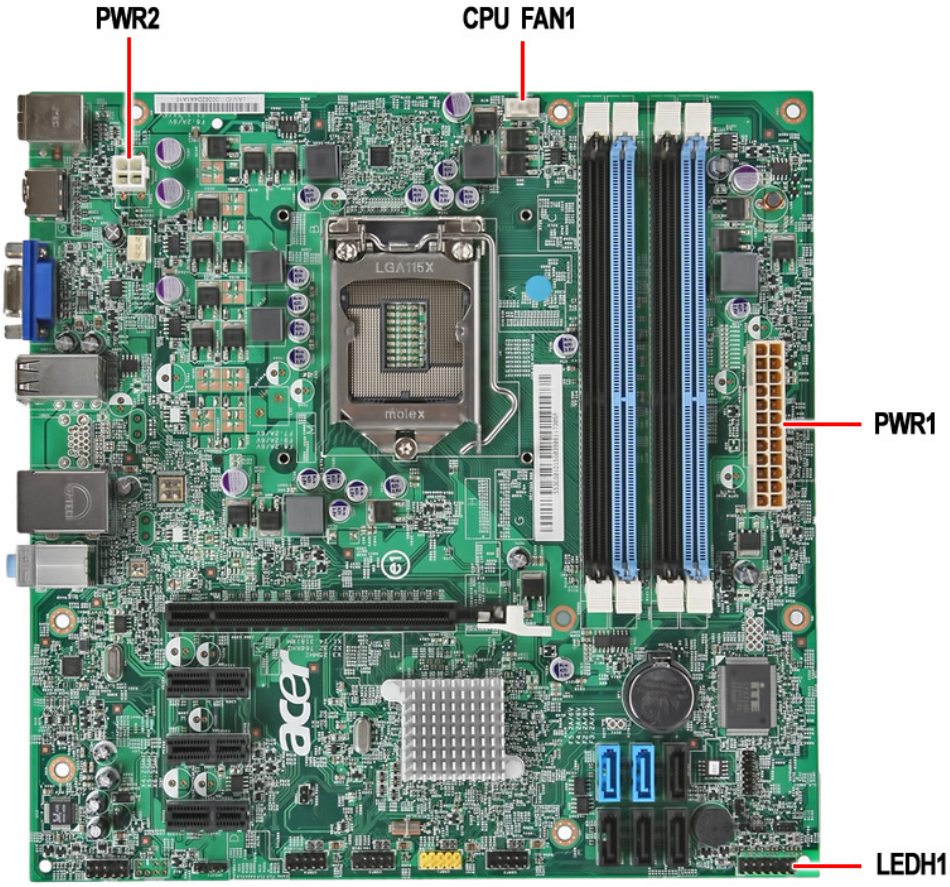
Pin	Signal Name	Function
1	USBPWR	Front Panel USB Power
2	USBPWR	Front Panel USB Power
3	USB_FP_P0-	USB Port 0 Negative Signal
4	USB_FP_P1-	USB Port 1 Negative Signal
5	USB_FP_P0+	USB Port 0 Positive Signal
6	USB_FP_P1+	USB Port 1 Positive Signal
7	GND	Ground
8	GND	Ground
9	Key	No pin
10	USB_FP_OC0	Overcurrent signal

Downloaded from www.Manualslib.com manuals search engine

Connecting Case Components

After you have installed the motherboard into a case, you can begin connecting themotherboard components. Refer to the following:

1. Connect the CPU cooling fan cable to CPUFAN1.
2. Connect the standard power supply connector to PWR2.
3. Connect the case switches and indicator LEDs to the LEDH1.
4. Connect the auxiliary case power supply connector to PWR1.



CPUFAN1: CPU Cooling Fan Power Connector

Pin	Signal Name	Function
1	GND	System ground
2	+12V	Power +12V
3	Sense	Sensor
4	PWM	PWM

Downloaded from www.Manualslib.com manuals search engine

PWR2: ATX 24-pin Power Connector

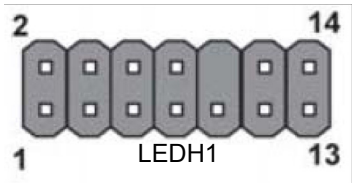
Pin	Signal Name	Pin	Signal Name
1	+3.3V	13	+3.3V
2	+3.3V	14	-12V
3	Ground	15	Ground
4	+5V	16	PS_ON
5	Ground	17	Ground
6	+5V	18	Ground
7	Ground	19	Ground
8	PWRGD	20	-5V
9	+5VSB	21	+5V
10	+12V	22	+5V
11	+12V	23	+5V
12	+3.3V	24	Ground

PWR1: ATX 12V Power Connector

Pin	Signal Name
1	Ground
2	Ground
3	+12V
4	+12V

Front Panel Header

The front panel header (LEDH1) provides a standard set of switch and LED headers commonly found on ATX or micro-ATX cases. Refer to the table below for information:



Pin	Signal Name	Function	Pin	Signal Name	Function
1	VCC	Reset Switch (+)	2	GLED0	*MSG LED (+)
3	HDD_LEDN	Hard disk LED (-)	4	GLED1	*MSG LED (-)
5	GND	Reset Switch (-)	6	PWRSW	Power Switch (+)
7	HWRST_L	Reset Switch (+)	8	GND	Power Switch (-)
9	F_PANEL_DET	Reserved	10	KEY	No pin
11	NC	Reserved	12	VCC	Reset Switch (+)
13	NC	Reserved	14	F_LAN_LED	Reset Switch (+)

Downloaded from www.Manualslib.com manuals search engine

Chapter 6

FRU (Field Replaceable Unit) List

This chapter offers the FRU (Field Replaceable Unit) list in global configuration of the Aspire M3920 desktop computer. Refer to this chapter whenever ordering the parts to repair or for RMA (Return Merchandise Authorization).

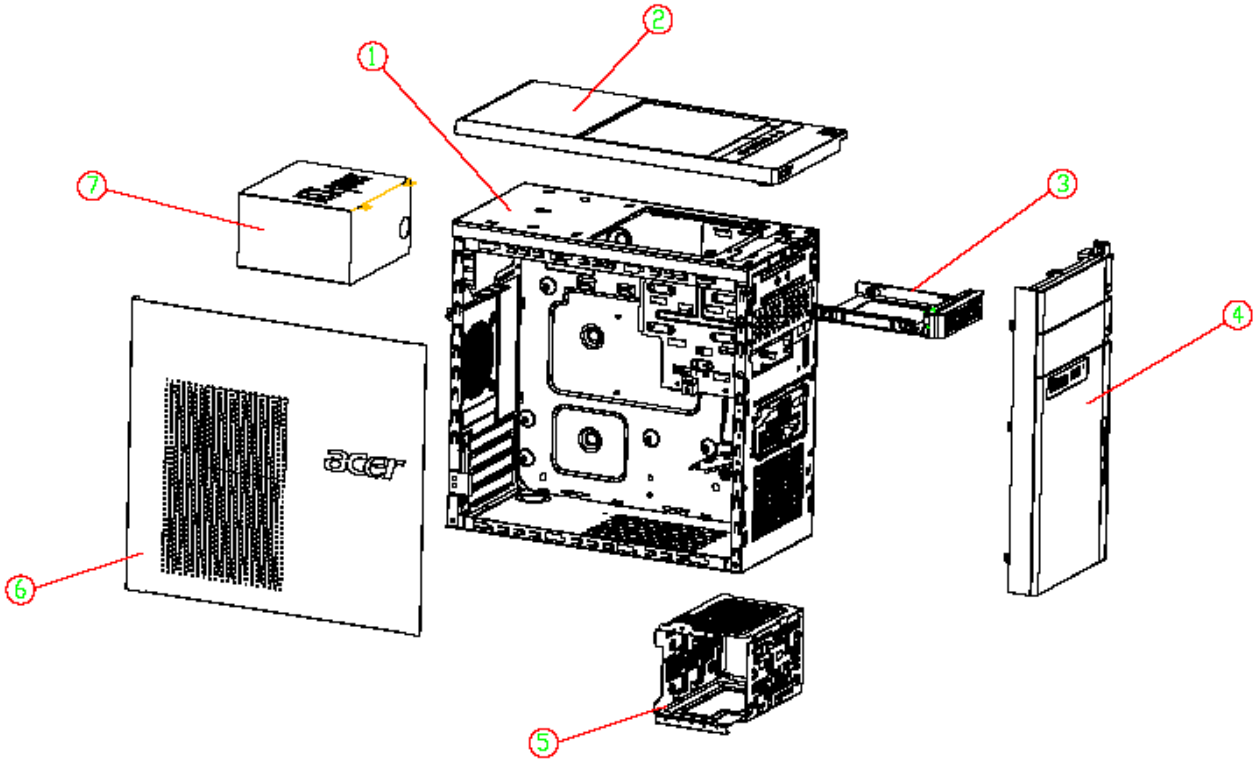
NOTES:

- When ordering FRU parts, check the most up-to-date information available on your regional web or channel. For whatever reasons a part number is changed, it will NOT be noted on the printed Service Guide. For Acer authorized service providers, your Acer office may have a different part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for service.
- To scrap or to return the defective parts, follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.
- This document will be updated as more information about the FRU list becomes available.

Downloaded from www.Manualslib.com manuals search engine

Aspire M3920 Exploded Diagram

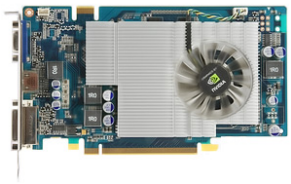
NOTE: This section will be updated when more information becomes available.



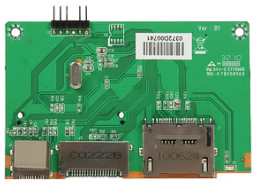
No.	Item	Qty	No.	Item	Qty
1	Chassis assembly	1	5	HDD Bracket	1
2	Top cover	1	6	Side cover	1
3	Removable HDD Bracket	1	7	Power supply	1
4	Front cover				

Downloaded from www.Manualslib.com manuals search engine

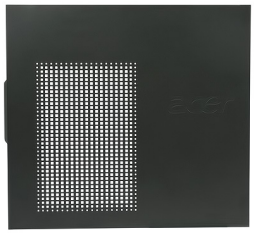
Aspire M3920 FRU List

Category	Part Name	Description	Acer Part No.
ACCESSORY	REMOTE CONTROL PHILIPS RC2604307/01BG PAIR WITH RV.11000.007 EMEA FOR WINDOWS7	REMOTE CTRL PHILIPS RC2604307/	RT.11300.021
	REMOTE CONTROL PHILIPS RC2604302/01B MSFT CODE PAIR WITH OVU430008 US FOR WINDOWS7	RC PHILIPS WIN7 (US) RC260430	RT.11300.022
	RECEIVER PHILIPS OVU710018 WIN7 PHILIPS CODE FOR EMEA, H57 FIXED FW, PAIR WITH RT.11300.021	PHILIPS OVU710018 WIN7 RECEIVER PHILIPS	RV.11000.025
	RECEIVER PHILIPS OVU430008 WITH IR BLASTER FOR WINDOWS7	RC PHILIPS WIN7 RECEIVER WITH	RV.11000.023
BOARD	F-IO BOARD	F-IO BOARD M3	55.SDZ01.001
	F-IO BOARD	F-IO BOARD M3	55.SDZ01.002
	F-IO BOARD	F-IO BOARD M1, M3 9802-0500483RZ	55.SF601.001
	VGA CARD 288-1E153-000AC HD5450 512MB SDDR 3 (64BITS) SAMSUNG DVI HDMI VGA W/ATX BKT ROHS 4 LAYER COST DOWN	VGA CARD 5450 512MB SDDR3 VGA/ HDMI/DVI	VG.APC54.503
	VGA CARD 288-1E153-200AC AMD HD5450 512MB 64BITS SDDR3 DVI+HDMI+VGA ATX 4 LAYER COST DOWN (NEW HYNIX -1.2)	VGA CARD 5450 512MB SDDR3 HYNIX-1.2 DVI	VG.APC54.524
	VGA CARD HD5570 1GB DDR 3 (128BITS) SAMSUNG DVI HDMI VGA W/ ATX BA	VGA HD5570 1GB DDR 3 (128BITS) SAMSUNG D	VG.APC55.701
	VGA CARD 288-2E142-201AC AMD HD5570 1GB 128BITS SDDR3 DVI+HDMI+VGA ATX (NEW HYNIX -1.2)	VGA CARD HD5570 1GB SDDR3 HYNIX 1.2 DVI	VG.APC55.722
	VGA CARD 81D685-469016 NV G315 512MB (64BIT) DDR3 DVI HDMI VGA ATX BRACKET ROHS (SAMSUNG)	NV GT315 512MB DDR3 DVI/HDMI/ VGA W/ATX B	VG.ECS31.502
	VGA CARD PCPARTNER 288-30N58-010AC NVIDIA GT330 2GB SDDR2 DVI+HDMI LP	PCP NV GT330 2GB DDR2 SDI DVI/HDMI/ VGA A	VG.PCPT3.301
	VGA CARD 288-30N58-110AC NV GT330 2GB DDR2 DVI+HDMI+VGA ATX (HYNIX)	PCP NV GT330 DDR2 DVI/HDMI/ DSUB ATX HYN.	VG.PCPT3.302
	VGA CARD 288-1N162-001AC GT420 1GB 128BIT DVI-I+HDMI+VGA ATX SAMSUNG	PCP NV GT410 1GB DDR3 SDI DVI/HDMI/ ATX	VG.PCPT4.201
	VGA CARD 288-1N162-101AC GT420 1GB 128BIT DVI-I+HDMI+VGA ATX HYNIX	PCP NV GT420 1GB DDR3 HYNIX DVI/ HDMI/ATX	VG.PCPT4.202
	NV 315 512MB SDDR3 DVI+HDMI+VGA ATX (SAMSUNG)	PCP NV GT315 512MB SDDR3 SDI DVI/HDMI	VG.PCPT3.151
	288-1N141-201AC NV 315 512MB 64BITS SDDR3 DVI+HDMI+VGA ATX (NEW HYNIX -1.2)	PCP NV GT315 512MB SDDR3 HYNIX-1.2 DVI	VG.PCPT3.162
	NV G315 512MB (64BIT) DDR3 DVI HDMI VGA ATX BRACKET ROHS	NV GT315 512MB DDR3 DVI/HDMI/ VGA W/ATX B	VG.ECS31.501

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
BOARD	288-5N118-010AC NV GT320 1GB SDDR3 DVI+HDMI+VGA ATX (SAMSUNG)	VGA CARD GT320 1GB SDDR3 SDI DVI HDMI	VG.PCPT3.201
	288-5N118-210AC NV GT320 1GB DDR3 DVI+HDMI+VGA ATX (HYNIX 1.2NS)	VGA CARD GT320 1GB DDR3 HYNIX-1.2 DVI	VG.PCPT3.203
	TV TUNER CARD AVERMEDIA H753-A PCIE HYBRID ATSC, S/W ENCODER, ATX BRACKET	AVERMEDIA H753-A TV TUNER CARD PCIE HYBR	TU.10500.072
	TV TUNER CARD AVERMEDIA H753-D PCIE HYBRID DVB-T, S/W ENCODER, ATX BRACKET	AVERMEDIA H753-D TV TUNER CARD PCIE HYBR	TU.10500.074
	TV TUNER CARD AVERMEDIA H753-C PCIE HYBRID DMB-TH S/W ENCODER ATX BRACKET	AVERMEDIA H753-C TV TUNER CARD PCIE HYBR	TU.10500.078
	MODEM CARD D-1156E#/A10A PCI-EX1 CARD LSI UNIVERSAL MODEM (PCI-E) 56K V.92 - CONCORDE (C40)	MODEM D-1156E#/ A10A (PCI-E X1)	FX.10100.002
	WN7601R, RALINK RT3090, 802.11B/G/N 1X1 WLAN PCI-E X1 CARD	WLAN 802.11BGN RALINK RT3090	NI.10200.037
	USB BOARD 3.0 IOI RA351 KIT NEC ?PD720200 2 EXTERMAL PORTS 1 PATA 4-PIN POWER CONNECTOR 50MM HEIGHT PCB 700MM POWER Y-CABLE	USB 3.0 CARD PCI-E KIT 30L USED	PA.14000.041
	IOI 16-IN-1 CR M1/M3 W/3.5", USB2.0, USBSET UT330-LK W/MICRO SD, M2	IOI 16-IN-1 CR M1/ M3 W/3.5", USB2.0	CR.10400.071
	NS 16-IN-1 CR M1/M3 W/3.5", USB2.0, REALTEK RT5181 W/MICRO SD, M2	NS 16-IN-1 CR M1/ M3 W/3.5", USB2.0	CR.10400.100
CABLE	HDD SATA CABLE	C.A. SATA HDD M3	50.SDS01.001
	HDD/ODD SATA CABLE	C.A.SATA HDD BOXER?	50.SC101.003
	HDD/ODD SATA CABLE	C.A. SATA HDD BOXERII VSO	50.G8101.002
	POWER CORD 1800MM 250V EURO	POWER CORD 1800MM 250V EURO	27.01518.0J1
	POWER CORD 250V 3PIN 1800MM UK	POWER CORD 1800MM 250V UK	27.03118.031
	POWER CORD 125V 7A 3G JAPAN	CORD VCTF 3G 7A/ 125V(JAPAN)	27.01518.181
	POWER CORD 110V 3PIN UL USA	POWER CORD 110V UL USA	27.01518.0I1
	POWER CORD AUSTRALIA WITH TESTED TAG	POWER CORD ACA WITH TESTED TAG	27.01518.0N1

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
	DVI TO HDMI CONVERTER FOR AMD HD3XXX SERIES	HDMI FEMALE TO DVI-D MALE ADAP	D0.HD3XX.001
	CONNECTOR ATI DVI TO HDMI ADAPTER	ATI DVI TO HDMI ADAPTER	D0.HDAMD.002
	HDMI ADAPTER CONNECTOR FOR NVIDIA PRODUCTS	HDMI ADAPTER FOR NVIDIA	D0.HDMNV.001
	DVI TO VGA DONGLE CONNECTOR	DVI TO VGA DONGLE	D0.VGA26.P01
CASE/COVER/BRACKET ASSEMBLY	HDD CARRIER FOR 2ND HDD	ASSY HDD-CARRIER AWASP	60.SF601.002
	REAR USB BRACKET	BRKT USB W/O SPDIF	33.SF601.002
	LEFT SIDE COVER	LEFT SIDE COVER M3	60.SF601.001
	HDD CAGE BRACKET	BRKT HDD CAGE BKT	33.SF601.001
	TOP COVER W/POWER SWITCH BOARD & POWER SWITCH CABLE	TOP COVER ASSY M3	60.SDZ01.004
	HDD CAGE FOR 2ND HDD	ODD TO HDD ASSY M351	60.SF601.003

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
	FRONT BEZEL M350 W/POWER LED CABLE	FRONT-BEZEL-ASSY-M350	60.SF701.002
	FRONT BEZEL M351 W/POWER LED CABLE	FRONT-BEZEL-ASSY-M351	60.SDZ01.006
	CRT COVER	CVR CRT BOXER II	42.SF601.001
	HDMI DUMMY COVER	HDMIC-1	42.SF601.002
	ASSEMBLY MAIN CHASSIS W/ MB SUPPORT ASSY & TOP IO ASSY & TOP RIGHT SIDE COVER	MAIN CHASSIS ASSY M3	60.SF701.001
	MAINBOARD SUPPORT	ASSY MB SUPPORT ASSY	60.SDS01.003
	TOP RIGHT SIDE COVER	TOP RIGHT SIDE COVER ASSY M3	60.SDZ01.003
	TOP IO W/F-IO BOARD	TOP IO ASSY M3	60.SDZ01.002
COMBO MODULE	ODD PIONEER BD COMBO SATA HH HF+W7 6X HLDS CH20N W/BEZEL BLACK	BD COMBO HH HF+W7 HLDS CH20N	KO.0060D.005
	ODD PLDS BD COMBO SATA HH DL 6X DH-6E2S LF W/BLACK BEZEL FOR WINDOWS7	BD COMBO HH W7 PLDS DH-6E2S	KO.0060F.002
	ODD PLDS BD ROM HH DL 4X DH-4O3S LF STANDARD BEZEL SATA (FOR WINDOWS7)	BD ROM HH W7 SATAPLDS DH-4O3S	KV.0040F.002
CPU/PROCESSOR	CPU INTEL CORE I7 2600 3.4G 8M 1333 95W K-0 LGA-1155 SANDY BRIDGE	IC CPU SANDY BRIDGE I7-2600 3.40G 8M FC-	KC.26001.CI7
	CPU INTEL CORE I5 2500 3.3G 6M 1333 95W K-0 LGA1155 SANDY BRIDGE	IC CPU SANDY BRIDGE I5-2500 3.30G 6M FC-	KC.25001.CI5
	CPU INTEL CORE I5 2400 3.1G 6M 1333 95W K-0 LGA1155 SANDY BRIDGE	IC CPU SANDY BRIDGE I5-2400 3.10G 6M FC-	KC.24001.CI5
	CPU INTEL CORE I5 2300 2.8G 6M 1333 95W D-2 LGA1155 SANDY BRIDGE QUAD CORE	IC CPU SANDY BRIDGE I5-2300 2.80G 6M FC-	KC.23001.CI5

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
DVD-RW DRIVE	ODD SUPER-MULTI DRIVE HH DL 16X GH60N LF+HF BLK BZL SATA HF+	ODD HH SM HF+W7 HLDS GH60N	KU.0160D.052
	ODD PLDS Super-Multi DRIVE HH DL 16X DH-16ABSH LF Black Bezel (HF+Win7) SATA	16X ODD PLDS DH-16ABSH SM HH BLK W7	KU.0160F.011
	ODD HLDS DVD-ROM HH 16X TRAY DH20N LF BLACK BEZEL SATA HF+WIN 7	DVD ROM HH HF+W7 HLDS DH20N	KV.0160D.016
	ODD PLDS DVD-ROM HH DL 16X TRAY DH-16D5SH LF BLACK BEZEL SATA HF+WIN 7	DVD ROM HH HF+W7 DH-16D5SH	KV.0160F.002
FAN	FAN	FAN9225 KDE1209PTV3 13.MS.AF.GN	HI.S150F.002
HDD/HARD DISK DRIVE	HDD 320GB 3.5" 7200RPM SATA II 16MB HGST HDS721032CLA362 JUPITER	HDD 320GB 3.5" HGST HDS721032CLA362 7.2K	KH.32007.011
	HDD 320G 7200RPM 3.5" SEAGATE ST3320418AS(PHARAOH BP) SATA II 16MB LF F/W:CC44	HDD 320GB 3.5" SEAGATE ST3320418AS 7.2K	KH.32001.020
	HDD 500GB 3.5" 7200RPM SATA II 16MB HGST HDS721050CLA362 JUPITER	HDD 500GB HGST HDS721050CLA362	KH.50007.012
	HDD 500G 7200RPM 3.5" SEAGATE ST3500418AS(PHARAOH PB) SATA II 16MB LF F/W:CC44	HDD 500GB 3.5" SEAGATE ST3500418AS 7.2K	KH.50001.019
	HDD 3.5" 500GB 7200RPM SATA WD XL320M WD5000AAKS-22M9A0	HDD 500GB WD5000AAKS-22V1A0	KH.50008.014
	HDD 640GB 3.5" 7200RPM SATA II 32MB HGST HDS721064CLA332 JUPITER	HDD 640GB HGST HDS721064CLA332	KH.64007.002
	HDD 640GB 3.5" 7200RPM SATA II WD WD6400AAKS-22A7B2 XL320-M	HDD 640GB WD WD6400AAKS-22A7B2	KH.64008.003
	HDD 1TB 3.5" 5400RPM SATAII WD10EADS-22M4B0 8MB GP	HDD 1TB WD10EADS-22M2B0 GP	KH.01K08.005
	HDD 1TB 3.5" 5400RPM WD WD10EARS-22Y5B1 GP 5.4K	HDD 1TB 3.5" WD WD10EARS-22Y5B1 GP 5.4K	KH.01K08.008
	HDD 1TB 3.5" 7200RPM SATA II 32MB HGST HDS721010CLA332 JUPITER	HDD 1TB HGST HDS721010CLA332	KH.01K07.003
	HDD 1TB 7200RPM 3.5" SEAGATE ST31000528AS(PHARAOH BP) SATA II 32MB LF F/W:CC44	HDD 1TB 3.5" SEAGATE ST31000528AS 7.2K	KH.01K01.013
	HDD 1.5TB 3.5" 7200RPM SATA SEAGATE BRINKS ST31500341AS 32MB CC4H 7	HDD 1.5TB SGT ST31500341AS 7.2	KH.15K01.002
HEATSINK	COOLER INTEL LGA1156 AVC ZGUL00A201 W/I 72MM DUCT 35MM HS W/I FAN 9225 W/I 72MM FAN DUCT	INTEL LGA1156 95W COOLER AVC 72MM DUCT	HI.10800.048

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK US WITH MOUSE	KB&MS PACK RF LITEON A1B US	KB.RF40B.042
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK TRADITIONAL CHINESE WITH MOUSE	KB&MS PACK RF LITEON A1B TC	KB.RF40B.043
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK SIMPLIFIED CHINESE WITH MOUSE	KB&MS PACK RF LITEON A1B S-CHINESE	KB.RF40B.044
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK US INTERNATIONAL WITH MOUSE	KB&MS PACK RF LITEON A1B US(INL)	KB.RF40B.045
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK ARABIC/ENGLISH WITH MOUSE	KB&MS PACK RF LITEON A1B EN(AR)	KB.RF40B.046
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK THAILAND WITH MOUSE	KB&MS PACK RF LITEON A1B TH	KB.RF40B.047
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK SPANISH WITH MOUSE	KB&MS PACK RF LITEON A1B ES	KB.RF40B.048
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK PORTUGUESE WITH MOUSE	KB&MS PACK RF LITEON A1B PT	KB.RF40B.049
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK CANADIAN FRENCH WITH MOUSE	KB&MS PACK RF LITEON A1B CA-FR	KB.RF40B.050
	KEYBOARD KIT 107KEY RF2.4 LITE-ON SK-9660B BLACK BRAZILIAN PORTUGUESE WITH MOUSE	KB&MS PACK RF LITEON A1B XC	KB.RF40B.051
	KEYBOARD KIT 109KEY RF2.4 LITE-ON SK-9660B BLACK JAPANESE WITH MOUSE	KB&MS PACK RF LITEON A1B JA	KB.RF40B.052
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK GERMAN WITH MOUSE	KB&MS PACK RF LITEON A1B DE	KB.RF40B.053
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK ITALIAN WITH MOUSE	KB&MS PACK RF LITEON A1B IT	KB.RF40B.054
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK FRENCH WITH MOUSE	KB&MS PACK RF LITEON A1B FR	KB.RF40B.055
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK SWEDISH WITH MOUSE	KB&MS PACK RF LITEON A1B SV	KB.RF40B.056
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK UK WITH MOUSE	KB&MS PACK RF LITEON A1B UK	KB.RF40B.057
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK DUTCH WITH MOUSE	KB&MS PACK RF LITEON A1B DUTCH	KB.RF40B.058
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK SWISS/G WITH MOUSE	KB&MS PACK RF LITEON A1B SW	KB.RF40B.059
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK BELGIUM WITH MOUSE	KB&MS PACK RF LITEON A1B BE	KB.RF40B.060
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK ICELANDIC WITH MOUSE	KB&MS PACK RF LITEON A1B ICELANDIC	KB.RF40B.061

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK NORWEGIAN WITH MOUSE	KB&MS PACK RF LITEON A1B NO	KB.RF40B.062
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK HEBREW WITH MOUSE	KB&MS PACK RF LITEON A1B HE	KB.RF40B.063
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK POLISH WITH MOUSE	KB&MS PACK RF LITEON A1B PL	KB.RF40B.064
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK SLOVENIAN WITH MOUSE	KB&MS PACK RF LITEON A1B SL	KB.RF40B.065
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK SLOVAK WITH MOUSE	KB&MS PACK RF LITEON A1B SLOVAK	KB.RF40B.066
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK RUSSIAN WITH MOUSE	KB&MS PACK RF LITEON A1B RU	KB.RF40B.067
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK HUNGARIAN WITH MOUSE	KB&MS PACK RF LITEON A1B HU	KB.RF40B.068
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK GREEK WITH MOUSE	KB&MS PACK RF LITEON A1B GR	KB.RF40B.069
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK DANISH WITH MOUSE	KB&MS PACK RF LITEON A1B DA	KB.RF40B.070
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK CZECH WITH MOUSE	KB&MS PACK RF LITEON A1B CZ	KB.RF40B.071
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK ROMANIAN WITH MOUSE	KB&MS PACK RF LITEON A1B RO	KB.RF40B.072
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK TURKISH WITH MOUSE	KB&MS PACK RF LITEON A1B TR(F-TYPE)	KB.RF40B.073
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK TURKISH-Q WITH MOUSE	KB&MS PACK RF LITEON A1B TR(Q-TYPE)	KB.RF40B.074
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK ARABIC/FRENCH WITH MOUSE	KB&MS PACK RF LITEON A1B FR(AR)	KB.RF40B.075
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK KAZAKH WITH MOUSE	KB&MS PACK RF LITEON A1B KAZAKH	KB.RF40B.076
	KEYBOARD KIT 104KEY RF2.4 LITE-ON SK-9660B BLACK TURKMEN WITH MOUSE	KB&MS PACK RF LITEON A1B TURKMEM	KB.RF40B.077
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK NORDIC WITH MOUSE	KB&MS PACK RF LITEON A1B NOR	KB.RF40B.078
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK ENGLISH/CANADIAN FRENCH WITH MOUSE	KB&MS PACK RF LITEON A1B US/CA-FR	KB.RF40B.079
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK CZECH/SLOVAK WITH MOUSE	KB&MS PACK RF LITEON A1B CZ(SK)	KB.RF40B.080
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK SWISS/FR WITH MOUSE	KB&MS PACK RF LITEON A1B SWISS/FR	KB.RF40B.081

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD KIT 106KEY RF2.4 LITE-ON SK-9660B BLACK KOREAN WITH MOUSE	KB&MS PACK RF LITEON A1B KO	KB.RF40B.082
	KEYBOARD KIT 105KEY RF2.4 LITE-ON SK-9660B BLACK SPANISH LATIN	KB&MS PACK RF LITEON A1B ES(LA)	KB.RF40B.092
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK US WITH MOUSE	KB&MS PACK RF PRIMAX A1B US	KB.RF40P.001
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK TRADITIONAL CHINESE WITH MOUSE	KB&MS PACK RF PRIMAX A1B TC	KB.RF40P.002
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK SIMPLIFIED CHINESE WITH MOUSE	KB&MS PACK RF PRIMAX A1B S-CHINESE	KB.RF40P.003
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK US INTERNATIONAL WITH MOUSE	KB&MS PACK RF PRIMAX A1B US(INL)	KB.RF40P.004
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK ARABIC/ENGLISH WITH MOUSE	KB&MS PACK RF PRIMAX A1B EN(AR)	KB.RF40P.005
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK THAILAND WITH MOUSE	KB&MS PACK RF PRIMAX A1B TH	KB.RF40P.006
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK SPANISH WITH MOUSE	KB&MS PACK RF PRIMAX A1B ES	KB.RF40P.007
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK PORTUGUESE WITH MOUSE	KB&MS PACK RF PRIMAX A1B PT	KB.RF40P.008
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK CANADIAN FRENCH WITH MOUSE	KB&MS PACK RF PRIMAX A1B CA-FR	KB.RF40P.009
	KEYBOARD KIT 107KEY RF2.4 PRIMAX KBRF36211 BLACK BRAZILIAN PORTUGUESE WITH MOUSE	KB&MS PACK RF PRIMAX A1B XC	KB.RF40P.010
	KEYBOARD KIT 109KEY RF2.4 PRIMAX KBRF36211 BLACK JAPANESE WITH MOUSE	KB&MS PACK RF PRIMAX A1B JA	KB.RF40P.011
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK GERMAN WITH MOUSE	KB&MS PACK RF PRIMAX A1B DE	KB.RF40P.012
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK ITALIAN WITH MOUSE	KB&MS PACK RF PRIMAX A1B IT	KB.RF40P.013
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK FRENCH WITH MOUSE	KB&MS PACK RF PRIMAX A1B FR	KB.RF40P.014
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK SWEDISH WITH MOUSE	KB&MS PACK RF PRIMAX A1B SV	KB.RF40P.015
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK UK WITH MOUSE	KB&MS PACK RF PRIMAX A1B UK	KB.RF40P.016
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK DUTCH WITH MOUSE	KB&MS PACK RF PRIMAX A1B DUTCH	KB.RF40P.017

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK SWISS/G WITH MOUSE	KB&MS PACK RF PRIMAX A1B SW	KB.RF40P.018
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK BELGIUM WITH MOUSE	KB&MS PACK RF PRIMAX A1B BE	KB.RF40P.019
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK ICELANDIC WITH MOUSE	KB&MS PACK RF PRIMAX A1B ICELANDIC	KB.RF40P.020
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK NORWEGIAN WITH MOUSE	KB&MS PACK RF PRIMAX A1B NO	KB.RF40P.021
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK HEBREW WITH MOUSE	KB&MS PACK RF PRIMAX A1B HE	KB.RF40P.022
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK POLISH WITH MOUSE	KB&MS PACK RF PRIMAX A1B PL	KB.RF40P.023
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK SLOVENIAN WITH MOUSE	KB&MS PACK RF PRIMAX A1B SL	KB.RF40P.024
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK SLOVAK WITH MOUSE	KB&MS PACK RF PRIMAX A1B SLOVAK	KB.RF40P.025
	KEYBOARD KIT P104KEY RF2.4 RIMAX KBRF36211 BLACK RUSSIAN WITH MOUSE	KB&MS PACK RF PRIMAX A1B RU	KB.RF40P.026
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK HUNGARIAN WITH MOUSE	KB&MS PACK RF PRIMAX A1B HU	KB.RF40P.027
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK GREEK WITH MOUSE	KB&MS PACK RF PRIMAX A1B GR	KB.RF40P.028
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK DANISH WITH MOUSE	KB&MS PACK RF PRIMAX A1B DA	KB.RF40P.029
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK CZECH WITH MOUSE	KB&MS PACK RF PRIMAX A1B CZ	KB.RF40P.030
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK ROMANIAN WITH MOUSE	KB&MS PACK RF PRIMAX A1B RO	KB.RF40P.031
	KEYBOARD KIT P105KEY RF2.4 RIMAX KBRF36211 BLACK TURKISH WITH MOUSE	KB&MS PACK RF PRIMAX A1B TR(F-TYPE)	KB.RF40P.032
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 RF2.4 105KS BLACK TURKISH-Q WITH MOUSE	KB&MS PACK RF PRIMAX A1B TR(Q-TYPE)	KB.RF40P.033
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK ARABIC/FRENCH WITH MOUSE	KB&MS PACK RF PRIMAX A1B FR(AR)	KB.RF40P.034
	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK KAZAKH WITH MOUSE	KB&MS PACK RF PRIMAX A1B KAZAKH	KB.RF40P.035

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD KIT 104KEY RF2.4 PRIMAX KBRF36211 BLACK TURKMEN WITH MOUSE	KB&MS PACK RF PRIMAX A1B TURKMEM	KB.RF40P.036
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK NORDIC WITH MOUSE	KB&MS PACK RF PRIMAX A1B NOR	KB.RF40P.037
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK ENGLISH/CANADIAN FRENCH WITH MOUSE	KB&MS PACK RF PRIMAX A1B US/CA-FR	KB.RF40P.038
	KEYBOARD KIT P105KEY RF2.4 RIMAX KBRF36211 BLACK CZECH/SLOVAK WITH MOUSE	KB&MS PACK RF PRIMAX A1B CZ(SK)	KB.RF40P.039
	KEYBOARD KIT P105KEY RF2.4 RIMAX KBRF36211 BLACK SWISS/FR WITH MOUSE	KB&MS PACK RF PRIMAX A1B SWISS/FR	KB.RF40P.040
	KEYBOARD KIT 106KEY RF2.4 PRIMAX KBRF36211 BLACK KOREAN WITH MOUSE	KB&MS PACK RF PRIMAX A1B KO	KB.RF40P.041
	KEYBOARD KIT 105KEY RF2.4 PRIMAX KBRF36211 BLACK SPANISH LATIN	KB&MS PACK RF PRIMAX A1B ES(LA)	KB.RF40P.083
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK US	KB SK-9621B USB 104K BLACK US	KB.USB0B.330
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK TRADITIONAL CHINESE	KB SK-9621B USB 104K BLACK TRADITIONAL C	KB.USB0B.331
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK SIMPLIFIED CHINESE	KB SK-9621B USB 104K BLACK SIMPLIFIED CH	KB.USB0B.332
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK US INTERNATIONAL	KB SK-9621B USB 104K BLACK US INTERNATIO	KB.USB0B.333
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK ARABIC/ENGLISH	KB SK-9621B USB 104K BLACK ARABIC/ENGLIS	KB.USB0B.334
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK THAILAND	KB SK-9621B USB 104K BLACK THAILAND	KB.USB0B.335
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK SPANISH	KB SK-9621B USB 105K BLACK SPANISH	KB.USB0B.336
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK PORTUGUESE	KB SK-9621B USB 105K BLACK PORTUGUESE	KB.USB0B.337
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK CANADIAN FRENCH	KB SK-9621B USB 105K BLACK CANADIAN FREN	KB.USB0B.338
	KEYBOARD 107KEY USB LITE-ON SK-9621B BLACK BRAZILIAN PORTUGUESE	KB SK-9621B USB 107KS BLACK BRAZILIAN PO	KB.USB0B.339
	KEYBOARD 109KEY USB LITE-ON SK-9621B BLACK JAPANESE	KB SK-9621B USB 109K BLACK JAPANESE	KB.USB0B.340
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK GERMAN	KB SK-9621B USB 105K BLACK GERMAN	KB.USB0B.341

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK ITALIAN	KB SK-9621B USB 105K BLACK ITALIAN	KB.USB0B.342
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK FRENCH	KB SK-9621B USB 105K BLACK FRENCH	KB.USB0B.343
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK SWEDISH	KB SK-9621B USB 105K BLACK SWEDISH	KB.USB0B.344
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK UK	KB SK-9621B USB 105K BLACK UK	KB.USB0B.345
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK DUTCH	KB SK-9621B USB 105K BLACK DUTCH	KB.USB0B.346
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK SWISS/G	KB SK-9621B USB 105K BLACK SWISS/G	KB.USB0B.347
	KEYBOARD 105KEY USB ITE-ON SK-9621B BLACK BELGIUM	KB SK-9621B USB 105K BLACK BELGIUM	KB.USB0B.348
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK ICELANDIC	KB SK-9621B USB 105K BLACK ICELANDIC	KB.USB0B.349
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK NORWEGIAN	KB SK-9621B USB 105K BLACK NORWEGIAN	KB.USB0B.350
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK HEBREW	KB SK-9621B USB 104K BLACK HEBREW	KB.USB0B.351
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK POLISH	KB SK-9621B USB 105K BLACK POLISH	KB.USB0B.352
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK SLOVENIAN	KB SK-9621B USB 105K BLACK SLOVENIAN	KB.USB0B.353
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK SLOVAK	KB SK-9621B USB 105K BLACK SLOVAK	KB.USB0B.354
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK RUSSIAN	KB SK-9621B USB 104K BLACK RUSSIAN	KB.USB0B.355
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK HUNGARIAN	KB SK-9621B USB 105K BLACK HUNGARIAN	KB.USB0B.356
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK GREEK	KB SK-9621B USB 104K BLACK GREEK	KB.USB0B.357
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK DANISH	KB SK-9621B USB 105K BLACK DANISH	KB.USB0B.358
	KEYBOARD 104KEY USB ITE-ON SK-9621B BLACK CZECH	KB SK-9621B USB 104K BLACK CZECH	KB.USB0B.359
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK ROMANIAN	KB SK-9621B USB 105K BLACK ROMANIAN	KB.USB0B.360
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK TURKISH	KB SK-9621B USB 105K BLACK TURKISH	KB.USB0B.361

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK TURKISH-Q	KB SK-9621B USB 105K BLACK TURKISH-Q	KB.USB0B.362
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK ARABIC/FRENCH	KB SK-9621B USB 105K BLACK ARABIC/FRENCH	KB.USB0B.363
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK KAZAKH	KB SK-9621B USB 104K BLACK KAZAKH	KB.USB0B.364
	KEYBOARD 104KEY USB LITE-ON SK-9621B BLACK TURKMEN	KB SK-9621B USB 104K BLACK TURKMEN	KB.USB0B.365
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK NORDIC	KB SK-9621B USB 105K BLACK NORDIC	KB.USB0B.366
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK ENGLISH/CANADIAN FRENCH	KB SK-9621B USB 105K BLACK ENGLISH/CANAD	KB.USB0B.367
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK CZECH/SLOVAK	KB SK-9621B USB 105K BLACK CZECH/ SLOVAK	KB.USB0B.368
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK SWISS/FR	KB SK-9621B USB 105K BLACK SWISS/ FR	KB.USB0B.369
	KEYBOARD 106KEY USB LITE-ON SK-9621B BLACK KOREAN	KB SK-9621B USB 106K BLACK KOREAN	KB.USB0B.370
	KEYBOARD 105KEY USB LITE-ON SK-9621B BLACK SPANISH LATIN	KB SK-9621B USB 105KS BLACK SPANISH LAT	KB.USB0B.377
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK US	KB PRIMAX KB36211 USB 104KS BLACK US	KB.USB0P.001
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK TRADITIONAL CHINESE	KB PRIMAX KB36211 USB 104KS BLACK TRADIT	KB.USB0P.002
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK SIMPLIFIED CHINESE	KB PRIMAX KB36211 USB 104KS BLACK SIMPLI	KB.USB0P.003
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK US INTERNATIONAL	KB PRIMAX KB36211 USB 104KS BLACK US INT	KB.USB0P.004
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK ARABIC/ENGLISH	KB PRIMAX KB36211 USB 104KS BLACK ARABIC	KB.USB0P.005
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK THAILAND	KB PRIMAX KB36211 USB 104KS BLACK THAILA	KB.USB0P.006
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK SPANISH	KB PRIMAX KB36211 USB 105KS BLACK SPANIS	KB.USB0P.007
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK PORTUGUESE	KB PRIMAX KB36211 USB 105KS BLACK PORTUG	KB.USB0P.008

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK CANADIAN FRENCH	KB PRIMAX KB36211 USB 105KS BLACK CANADI	KB.USB0P.009
	KEYBOARD 107KEY USB PRIMAX KB36211 USB BRAZILIAN PORTUGUESE	KB PRIMAX KB36211 USB 107KS BLACK BRAZIL	KB.USB0P.010
	KEYBOARD 109KEY USB PRIMAX KB36211 BLACK JAPANESE	KB PRIMAX KB36211 USB 109KS BLACK JAPANE	KB.USB0P.011
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK GERMAN	KB PRIMAX KB36211 USB 105KS BLACK GERMAN	KB.USB0P.012
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK ITALIAN	KB PRIMAX KB36211 USB 105KS BLACK ITALIA	KB.USB0P.013
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK FRENCH	KB PRIMAX KB36211 USB 105KS BLACK FRENCH	KB.USB0P.014
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK SWEDISH	KB PRIMAX KB36211 USB 105KS BLACK SWEDIS	KB.USB0P.015
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK UK	KB PRIMAX KB36211 USB 105KS BLACK UK	KB.USB0P.016
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK DUTCH	KB PRIMAX KB36211 USB 105KS BLACK DUTCH	KB.USB0P.017
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK SWISS/G	KB PRIMAX KB36211 USB 105KS BLACK SWISS/	KB.USB0P.018
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK BELGIUM	KB PRIMAX KB36211 USB 105KS BLACK BELGIU	KB.USB0P.019
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK ICELANDIC	KB PRIMAX KB36211 USB 105KS BLACK ICELAN	KB.USB0P.020
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK NORWEGIAN	KB PRIMAX KB36211 USB 105KS BLACK NORWEG	KB.USB0P.021
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK HEBREW	KB PRIMAX KB36211 USB 104KS BLACK HEBREW	KB.USB0P.022
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK POLISH	KB PRIMAX KB36211 USB 105KS BLACK POLISH	KB.USB0P.023
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK SLOVENIAN	KB PRIMAX KB36211 USB 105KS BLACK SLOVEN	KB.USB0P.024
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK SLOVAK	KB PRIMAX KB36211 USB 105KS BLACK SLOVAK	KB.USB0P.025
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK RUSSIAN	KB PRIMAX KB36211 USB 104KS BLACK RUSSIA	KB.USB0P.026

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK HUNGARIAN	KB PRIMAX KB36211 USB 105KS BLACK HUNGAR	KB.USB0P.027
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK GREEK	KB PRIMAX KB36211 USB 104KS BLACK GREEK	KB.USB0P.028
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK DANISH	KB PRIMAX KB36211 USB 105KS BLACK DANISH	KB.USB0P.029
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK CZECH	KB PRIMAX KB36211 USB 104KS BLACK CZECH	KB.USB0P.030
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK ROMANIAN	KB PRIMAX KB36211 USB 105KS BLACK ROMANI	KB.USB0P.031
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK TURKISH	KB PRIMAX KB36211 USB 105KS BLACK TURKIS	KB.USB0P.032
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK TURKISH-Q	KB PRIMAX KB36211 USB 105KS BLACK TURKIS	KB.USB0P.033
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK ARABIC/FRENCH	KB PRIMAX KB36211 USB 105KS BLACK ARABIC	KB.USB0P.034
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK KAZAKH	KB PRIMAX KB36211 USB 104KS BLACK KAZAKH	KB.USB0P.035
	KEYBOARD 104KEY USB PRIMAX KB36211 BLACK TURKMEN	KB PRIMAX KB36211 USB 104KS BLACK TURKME	KB.USB0P.036
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK NORDIC	KB PRIMAX KB36211 USB 105KS BLACK NORDIC	KB.USB0P.037
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK ENGLISH/CANADIAN FRENCH	KB PRIMAX KB36211 USB 105KS BLACK ENGLIS	KB.USB0P.038
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK CZECH/SLOVAK	KB PRIMAX KB36211 USB 105KS BLACK CZECH/	KB.USB0P.039
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK SWISS/FR	KB PRIMAX KB36211 USB 105KS BLACK SWISS/	KB.USB0P.040
	KEYBOARD 106KEY USB PRIMAX KB36211 BLACK KOREAN	KB PRIMAX KB36211 USB 106KS BLACK KOREAN	KB.USB0P.041
	KEYBOARD 105KEY USB PRIMAX KB36211 BLACK SPANISH LATIN	KB KB36211 USB 106KS BLACK SPANISH LATIN	KB.USB0P.083
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK US	KB SK-9611 PS/2 104K BLACK US	KB.PS20B.115
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK TRADITIONAL CHINESE	KB SK-9611 PS/2 104K BLACK TRADITION	KB.PS20B.116
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK SIMPLIFIED CHINESE	KB SK-9611 PS/2 104K BLACK SIMPLIFIED	KB.PS20B.117

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK US INTERNAL	KB SK-9611 PS/2 104K BLACK US INTERN	KB.PS20B.118
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK ARABIC/ENGLISH	KB SK-9611 PS/2 104K BLACK ARABIC/EN	KB.PS20B.119
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK THAILAND	KB SK-9611 PS/2 104K BLACK THAILAND	KB.PS20B.120
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 LACK SPANISH	KB SK-9611 PS/2 105K BLACK SPANISH	KB.PS20B.121
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK PORTUGUESE	KB SK-9611 PS/2 105K BLACK PORTUGUESE	KB.PS20B.122
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK CANADIAN FRENCH	KB SK-9611 PS/2 105K BLACK CANADIAN	KB.PS20B.123
	KEYBOARD 107KEY PS/2 LITE-ON SK-9611 BLACK BRAZILIAN PORTUGUESE	KB SK-9611 PS/2 107K BLACK BRAZILIAN	KB.PS20B.124
	KEYBOARD 109KEY PS/2 LITE-ON SK-9611 BLACK JAPANESE	KB SK-9611 PS/2 109K BLACK JAPANESE	KB.PS20B.125
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK GERMAN	KB SK-9611 PS/2 105K BLACK GERMAN	KB.PS20B.126
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK ITALIAN	KB SK-9611 PS/2 105K BLACK ITALIAN	KB.PS20B.127
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK FRENCH	KB SK-9611 PS/2 105K BLACK FRENCH	KB.PS20B.128
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK SWEDISH	KB SK-9611 PS/2 105K BLACK SWEDISH	KB.PS20B.129
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK UK	KB SK-9611 PS/2 105K BLACK UK	KB.PS20B.130
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK DUTCH	KB SK-9611 PS/2 105K BLACK DUTCH	KB.PS20B.131
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK SWISS/G	KB SK-9611 PS/2 105K BLACK SWISS/G	KB.PS20B.132
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK BELGIUM	KB SK-9611 PS/2 105K BLACK BELGIUM	KB.PS20B.133
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK ICELANDIC	KB SK-9611 PS/2 105K BLACK ICELANDIC	KB.PS20B.134
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK NORWEGIAN	KB SK-9611 PS/2 105K BLACK NORWEGIAN	KB.PS20B.135
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK HEBREW	KB SK-9611 PS/2 104K BLACK HEBREW	KB.PS20B.136

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK POLISH	KB SK-9611 PS/2 105K BLACK POLISH	KB.PS20B.137
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK SLOVENIAN	KB SK-9611 PS/2 105K BLACK SLOVENIAN	KB.PS20B.138
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK SLOVAK	KB SK-9611 ?PS/2 105K? BLACK SLOVAK	KB.PS20B.139
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK RUSSIAN	KB SK-9611 ?PS/ 2?104K ?BLACK ?RUSSIAN	KB.PS20B.140
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK HUNGARIAN	KB SK-9611 ?PS/2 ?105K? BLACK ?HUNGARIAN	KB.PS20B.141
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK GREEK	KB SK-9611 ?PS/2 ?104K ?BLACK ?GREEK	KB.PS20B.142
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK DANISH	KB SK-9611 ?PS/2 105K ?BLACK ?DANISH	KB.PS20B.143
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK CZECH	KB SK-9611 ?PS/2 ?104K? BLACK ?CZECH	KB.PS20B.144
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK ROMANIAN	KB SK-9611 ?PS/2 ?105K? BLACK ?ROMANIAN	KB.PS20B.145
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK TURKISH	KB SK-9611 ?PS/2 105K? BLACK TURKISH	KB.PS20B.146
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK TURKISH-Q	KB SK-9611 ?PS/2 ?105K? BLACK TURKISH-Q	KB.PS20B.147
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK ARABIC/FRENCH	KB SK-9611 ?PS/2 ?105K? BLACK ARABIC/FRE	KB.PS20B.148
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK KAZAKH	KB SK-9611 ?PS/2 ?104K? BLACK KAZAKH	KB.PS20B.149
	KEYBOARD 104KEY PS/2 LITE-ON SK-9611 BLACK TURKMEN	KB SK-9611 ?PS/2 ?104K? BLACK ?TURKMEN	KB.PS20B.150
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK NORDIC	KB SK-9611 ?PS/2 ?105K? BLACK ?NORDIC	KB.PS20B.151
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK ENGLISH/CANADIAN FRENCH	KB SK-9611 ?PS/2 ?105K? BLACK ENGLISH/CA	KB.PS20B.152
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 105KS BLACK CZECH/SLOVAK	KB SK-9611 ?PS/2 105K? BLACK ?CZECH/SLOV	KB.PS20B.153
	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK SWISS/FR	KB SK-9611 ?PS/2 ?105K? BLACK ?SWISS/FR	KB.PS20B.154
	KEYBOARD 106KEY PS/2 LITE-ON SK-9611 BLACK KOREAN	KB SK-9611 ?PS/2 106K ?BLACK ?KOREAN	KB.PS20B.155

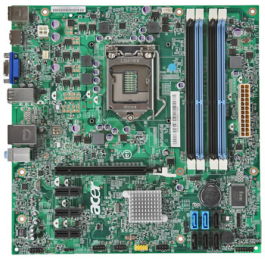
Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 105KEY PS/2 LITE-ON SK-9611 BLACK SPANISH LATIN	KB SK-9611 PS/2 105K BLACK SPANISH LATIN	KB.PS20B.156
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK US	KB PRIMAX KB36111 PS2 104KS BLACK US	KB.PS20P.073
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK TRADITIONAL CHINESE	KB KB36211 USB 104K BLACK TRADITIONAL C	KB.PS20P.074
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK SIMPLIFIED CHINESE	KB KB36211 USB 104K BLACK SIMPLIFIED CH	KB.PS20P.075
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK US INTERNATIONAL	KB KB36211 USB 104K BLACK US INTERNATIO	KB.PS20P.076
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK ARABIC/ENGLISH	KB KB36211 USB 104K BLACK ARABIC/ENGLIS	KB.PS20P.077
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK THAILAND	KB KB36211 USB 104K BLACK THAILAND	KB.PS20P.078
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK SPANISH	KB KB36211 USB 105K BLACK SPANISH	KB.PS20P.079
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK PORTUGUESE	KB KB36211 USB 105K BLACK PORTUGUESE	KB.PS20P.080
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK CANADIAN FRENCH	KB KB36211 USB 105K BLACK CANADIAN FREN	KB.PS20P.081
	KEYBOARD 107KEY PS/2 PRIMAX KB36111 BLACK BRAZILIAN PORTUGUESE	KB KB36211 USB 107K BLACK BRAZILIAN POR	KB.PS20P.082
	KEYBOARD 109KEY PS/2 PRIMAX KB36111 BLACK JAPANESE	KB KB36211 USB 109K BLACK JAPANESE	KB.PS20P.083
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK GERMAN	KB KB36211 USB 105K BLACK GERMAN	KB.PS20P.084
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK ITALIAN	KB KB36211 USB 105K BLACK ITALIAN	KB.PS20P.085
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK FRENCH	KB KB36211 USB 105K BLACK FRENCH	KB.PS20P.086
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK SWEDISH	KB KB36211 USB 105K BLACK SWEDISH	KB.PS20P.087
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK UK	KB KB36211 USB 105K BLACK UK	KB.PS20P.088
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK DUTCH	KB KB36211 USB 105K BLACK DUTCH	KB.PS20P.089
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK SWISS/G	KB KB36211 USB 105K BLACK SWISS/G	KB.PS20P.090

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK BELGIUM	KB KB36211 USB 105K BLACK BELGIUM	KB.PS20P.091
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK ICELANDIC	KB KB36211 USB 105K BLACK ICELANDIC	KB.PS20P.092
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK NORWEGIAN	KB KB36211 USB 105K BLACK NORWEGIAN	KB.PS20P.093
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK HEBREW	KB KB36211 USB 104K BLACK HEBREW	KB.PS20P.094
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK POLISH	KB KB36211 USB 105K BLACK POLISH	KB.PS20P.095
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK SLOVENIAN	KB KB36211 USB 105K BLACK SLOVENIAN	KB.PS20P.096
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK SLOVAK	KB KB36211 USB 105K BLACK SLOVAK	KB.PS20P.097
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK RUSSIAN	KB KB36211 USB 104K BLACK RUSSIAN	KB.PS20P.098
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK HUNGARIAN	KB KB36211 USB 105K BLACK HUNGARIAN	KB.PS20P.099
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK GREEK	KB KB36211 USB 104K BLACK GREEK	KB.PS20P.100
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK DANISH	KB KB36211 USB 105K BLACK DANISH	KB.PS20P.101
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK CZECH	KB KB36211 USB 104K BLACK CZECH	KB.PS20P.102
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK ROMANIAN	KB KB36211 USB 105K BLACK ROMANIAN	KB.PS20P.103
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK TURKISH	KB KB36211 USB 105K BLACK TURKISH	KB.PS20P.104
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK TURKISH-Q	KB KB36211 USB 105K BLACK TURKISH-Q	KB.PS20P.105
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK ARABIC/FRENCH	KB KB36211 USB 105K BLACK ARABIC/FRENCH	KB.PS20P.106
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK KAZAKH	KB KB36211 USB 104K BLACK KAZAKH	KB.PS20P.107
	KEYBOARD 104KEY PS/2 PRIMAX KB36111 BLACK TURKMEN	KB KB36211 USB 104K BLACK TURKMEN	KB.PS20P.108
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK NORDIC	KB KB36211 USB 105K BLACK NORDIC	KB.PS20P.109

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
KEYBOARD	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK ENGLISH/CANADIAN FRENCH	KB KB36211 USB 105K BLACK ENGLISH/CANAD	KB.PS20P.110
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK CZECH/SLOVAK	KB KB36211 USB 105K BLACK CZECH/ SLOVAK	KB.PS20P.111
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK SWISS/FR	KB KB36211 USB 105K BLACK SWISS/ FR	KB.PS20P.112
	KEYBOARD 106KEY PS/2 PRIMAX KB36111 BLACK KOREAN	KB KB36211 USB 106KS BLACK KOREAN	KB.PS20P.113
	KEYBOARD 105KEY PS/2 PRIMAX KB36111 BLACK SPANISH LATIN	KB KB36211 USB 106KS BLACK SPANISH LATI	KB.PS20P.114
POINTING DEVICE	MOUSE PS2 PRIMAX OPTICAL MOFGKO	MOUSE PRIMAX OPTICAL PS2 MOFGKO	MS.11200.082
	MOUSE USB LITEON SM9020B OPTICAL NI BLACK	MOUSE SM9020B OPTICAL NI LITEO	MS.11200.074
	MOUSE USB A1B PRIMAX MOF9UO BLACK COLOR	MOUSE USB A1B MOF9UO BLACK COLOR PRIMAX	MS.11200.079
MAINBOARD 	MAINBOARD KIT ASERENA FOR M3 INTEL H67 INTEL 82579V ACER LOGO UATX W/O 1394 LF W/O USB3.0 W/IO SHIELD	MB KIT ASERENA INTEL H67 WST	MB.SFD01.002
MEMORY	MEMORY A-DATA UNB-DIMM DDRIII 1333 1GB AD63I1A0823EU LF 128*8 0.065UM	DIMM 1G AD63I1A0823EU DDR3 1333MHZ UNB.	KN.1GB0C.010
	MEMORY APACER DDR3 1333MHZ 1G UNB-DIMM GU502203EP0201 LF 128*8 0.065UM	DIMM 1G 75.073C1.G02 DDR3 1333MHZ	KN.1GB01.031
	MEMORY KINGSTON DDR3 1333MHZ 1G ACR128X64D3U1333C9	DIMM 1G ACR128X64D3U1333 C9	KN.1GB07.002
	MEMORY DDR3 1333MHZ 1G UNBUFFERED DIMM W/O ECC F DIE (46NM)	DIMM 1G M378B2873FHS-CH9	KN.1GB0B.036
	MEMORY UNIFOSA DDR3 1333MHZ 1G UNB-DIMM GU502203EP0201 LF 128*8 0.065UM	DIMM 1G GU502203EP0201 UNB.	KN.1GB0H.015
	MEMORY APACER DDR3 1333MHZ 2G UNBUFFERED DIMM W/O ECC	DIMM 2G 75.A73C1.G02 DDR3 1333MHZ	KN.2GB01.025
	MEMORY NANYA UNB-DIMM DDRIII 1333 2GB NT2GC64B88B0NF-CG LF 256*8 0.055UM	DIMM 2G NT2GC64B88B0NF-CG DDR3 UNB.	KN.2GB03.022

Downloaded from www.Manualslib.com manuals search engine

Category	Part Name	Description	Acer Part No.
MEMORY	MEMORY KINGSTON DDR3 1333MHZ 2G UNB ACR256X64D3U1333C9	DIMM 2G ACR256X64D3U1333 C9	KN.2GB07.002
	MEMORY SAMSUNG DDR3 1333MHZ 2G UNB DIMM W/O ECC W/2G CHIP C DIE(46NM)	DIMM 2G M378B5773CH0-CH9 UNB. DDR3	KN.2GB0B.029
	MEMORY ADATA DDR3 1333MHZ 2G UNB DIMM W/O ECC W/ELPIDA CHIP	DIMM 2G AD63I1B1624EU DDR3 1333MHZ UNB.	KN.2GB0C.007
	MEMORY UNIFOSA DDR3 1333MHZ 2G UNB-DIMM GU512303EP0202 LF 128*8 0.065UM	DIMM 2G GU512303EP0202 UNB.	KN.2GB0H.009
POWER SUPPLY	POWER SUPPLY FSP FSP300-60EP 300W ACTIVE PFC A01005 100-127V/ 220V-240V 4SATA1PATA CO-MODULE	SPS FR 300W (30L) EUP 82+ FSP300-60EP(1)	PY.30008.033
	POWER SUPPLY DELTA DPS-300AB-57A 300W ACTIVE PFC 100-127V/220V-240V	SPS DELTA FR 300W 30L 82+ EUP DPS-300A	PY.30009.021
	POWER SUPPLY FSP FSP300-60THA 300W NONE PFC A01003 100-127V/220-240V 4SATA1PATA CO-MODULE	SPS NON-PFC 300W (30L) EUP FSP300-60THA(	PY.30008.032
	POWER SUPPLY LITE-ON PS-6301-08A3 300W NONE PFC 100-127V/220-240V	SPS LITEON NPFC 300W 30L EUP PS-6301-08A	PY.3000B.016
SPEAKER	SPEAKER CHIAMAW 9M-20A200-000 ACER LOGO LF 0810	SPEAKER ACER LOGO/LF0810	SP.10600.011

Downloaded from www.Manualslib.com manuals search engine